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## Course Subjects List

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AAAA 100
Credit Weight: 0
Transcript Title: Academic Integrity Tutorial
Calendar Title:
Administering Faculty: No College Designated
Teaching Department: Student Services
Status (catalog level): Active
ACCT 351
Credit Weight: 3
Transcript Title: Intermediate Financial Acct 1
Calendar Title: Intermediate Financial Accounting 1.
Description:
An examination of the theoretical foundation for financial reporting and revenue recognition. The tools of accounting, including a review of the accounting process and compound interest concepts. Asset recognition, measurement and disclosure. Partnership accounting.
Notes:
Prerequisite: MGCR 211
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 352
Credit Weight: 3
Transcript Title: Intermediate Financial Acct 2
Description:
A continuation of Intermediate Financial Accounting 1. An examination of liability recognition, measurement and disclosure, including leases, pension costs and corporate income tax. Shareholders' equity, dilutive securities and earnings per share. The statement of changes in financial position, basic financial statement analysis and full disclosure in financial reporting.
Notes:
Prerequisites: ACCT 351 and MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 354
Credit Weight: 3
Transcript Title: Financial Statement Analysis
Calendar Title: Financial Statement Analysis.
Description:
Interpretative nature of the conceptual framework underlying a multitude of financial reporting standards, including the impact of alternative accounting methods, management biases and stakeholder interests in the analysis and valuation of the firm.
Notes:
Prerequisites: MGCR 211 and MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 361
Credit Weight: 3
Transcript Title: Management Accounting
Calendar Title: Management Accounting.
Description:
The role of management accounting information to support internal management decisions and to provide performance incentives.
Notes:
Prerequisite: MGCR 211
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

**ACCT 362**
Credit Weight: 3
Transcript Title: Cost Accounting
Calendar Title: Cost Accounting.
Description:
An examination of a number of recurring issues in the area of decision-making and control, including cost allocation, alternative costing systems, and innovations in costing and performance measurement.
Notes:
Prerequisites: ACCT 361
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

**ACCT 385**
Credit Weight: 3
Transcript Title: Principles of Taxation
Calendar Title: Principles of Taxation.
Description:
An introduction to the concepts underlying the Canadian tax system and how they are applied in relation to the taxation of individuals and businesses.
Notes:
Prerequisite: MGCR 211
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

**ACCT 401**
Credit Weight: 3
Transcript Title: Sustainability & Environ Acct
Calendar Title: Sustainability and Environmental Accounting.
Description:
Developing measures of corporate environmental performance, assessing their reliability and reporting to external stakeholders. Using sustainability metrics in strategic and operational business decisions. Implementing and utilizing Environmental management systems and standards. Managing corporate environmental risks and accounting for environmental costs. Environmental auditing.
Notes:
Prerequisite: MGCR 211
Open only to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

**ACCT 434**
Credit Weight: 3
Transcript Title: Topics in Accounting 1
Calendar Title: Topics in Accounting 1.
Description:
Topics will be selected from current issues in the Accounting Area.
Notes:
Prerequisite: MGCR 211
Restriction: Open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 451
Credit Weight: 3
Transcript Title: Data Analytics: Capital Market
Calendar Title: Data Analytics in Capital Market.
Description:
Exploration of how financial and non-financial metrics can be linked to business performance through experiential learning, with a focus on financial statement analysis, earnings and return predictability, textural analysis, earnings management and fraud detection. Introduction to SAS software and financial accounting databases such as CRSP, Compustat, and I/B/E/S, and alternative data sources such as SEC Edgar that enables work across different database to make better financial statement analysis and decisions.
Notes:
Prerequisites: MGCR 211, MGCR 341
Restrictions: Open to U2 and U3 students

ACCT 452
Credit Weight: 3
Transcript Title: Financial Reporting Valuation
Calendar Title: Financial Reporting Valuation.
Description:
Models to determine firm value from accounting information and a broader perspective on key sources of information, key value drivers, in a setting where evaluating firm value is the ultimate purpose.
Notes:
Prerequisite: ACCT 354.

ACCT 453
Credit Weight: 3
Transcript Title: Advanced Financial Accounting
Calendar Title: Advanced Financial Accounting.
Description:
Reporting relevant financial information subsequent to long term intercorporate investments. The preparation of consolidated financial statements with emphasis on their economic substance rather than legal form.
Notes:
Prerequisite: ACCT 352

ACCT 455
Credit Weight: 3
Transcript Title: Dev of Accounting Thought
Calendar Title: Development of Accounting Thought.
Description:
The conceptual underpinning of accounting thought, including its historical development and the modifications that have occurred over time. A review of accounting literature and its relevance to practice.

Notes:
Prerequisite: ACCT 352
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 463
Credit Weight: 3
Transcript Title: Management Control
Calendar Title: Management Control.
Description: The theoretical frameworks for the examination and evaluation of management accounting and control systems. The technical aspects of accounting along with behavioural issues of management control.

Notes:
Prerequisites: ACCT 361
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 475
Credit Weight: 3
Transcript Title: Principles of Auditing
Calendar Title: Principles of Auditing.
Description: An introduction to basic auditing concepts and internal controls of an accounting system. Topics include current auditing standards, ethical conduct, legal liability, planning of an audit, sampling techniques, non-audit engagements, the study and evaluation of internal controls in an accounting system.

Notes:
Prerequisite: ACCT 352
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 486
Credit Weight: 3
Transcript Title: Business Taxation 2
Calendar Title: Business Taxation 2.
Description: A study of the Income Tax Act as it applies to the taxation of individuals and corporations, including capital cost allowances, capital gains, corporate reorganisations, trusts and partnerships and administrative regulations. A review of consumption taxes.

Notes:
Prerequisite: ACCT 385
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ACCT 604
Credit Weight: 3
Transcript Title: Financial Statements 1
Calendar Title: Financial Statements 1.

Description:
Introduction to financial accounting, including the objectives of financial statement analysis. Discussion of the limitations of the financial information used in financial statement analysis.

Notes:
Prerequisite: FINE 673
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 605
Credit Weight: 3
Transcript Title: Financial Statements 2
Calendar Title: Financial Statements 2.

Description:
The company valuation process. Establish frameworks using public data.

Notes:
Prerequisite: ACCT 604

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 618
Credit Weight: 3
Transcript Title: Financial Reporting: Structure & Analysis
Calendar Title: Financial Reporting: Structure and Analysis.

Description:
An in-depth analysis of corporate financial reporting principles and practices, with emphasis on developing the abilities of the student to discriminate between the form and substance of corporate financial reports. Analysis of all components of the financial statements with the effect of reference to alternative practices on financial reports.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 622
Credit Weight: 3
Transcript Title: Intermed Financial Reporting 1
Calendar Title: Intermediate Financial Reporting 1.

Description:
Theoretical foundation for financial reporting concepts such as asset measurement, revenue recognition and disclosure of financial information.

Notes:
Prerequisite: MGCR 611

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 623
Credit Weight: 3
Transcript Title: Intermed Financial Reporting 2
Calendar Title: Intermediate Financial Reporting 2.
Description:
Theoretical foundation for financial reporting concepts such as liability and equity measurement, intercorporate investments.
Notes:
Prerequisite: ACCT 622.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 624
Credit Weight: 3
Transcript Title: Mgmt Acct: Planning & Control
Calendar Title: Management Accounting: Planning and Control.
Description:
Preparation and analysis of management accounting information, effective design and implementation of management accounting systems.
Notes:
Prerequisite: MGCR 611
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 625
Credit Weight: 3
Transcript Title: Canadian Taxation
Calendar Title: Canadian Taxation.
Description:
An overview of the income tax system; emphasis on its impact on selected business decisions. Topics include: individual and corporate taxation, tax shelters, tax planning and international operations.
Notes:
Prerequisite: MGCR 611.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 626
Credit Weight: 1.5
Transcript Title: Data Analytics in Accounting
Calendar Title: Data Analytics in Accounting.
Description:
Exploration of how financial and non-financial metrics can be linked to business performance through practica application learning. Examination of mandatory and voluntary corporate disclosure, financial statement analysis, return predictability, and fraud detection.
Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 645
Credit Weight: 2
Transcript Title: Financial Mgmt in Healthcare
Calendar Title: Financial Management in Healthcare.

Description:
Concepts of financial accounting to the non-accountant user of financial information. Fundamental knowledge of financial accounting, including financial statements, accounting rules, assets, liabilities and equity, the income statements as well as the financial statement analysis.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 645D1
Credit Weight: 1
Transcript Title: Financial Mgmt in Healthcare
Calendar Title: Financial Management in Healthcare.
Description:
Concepts of financial accounting to the non-accountant user of financial information. Fundamental knowledge of financial accounting, including financial statements, accounting rules, assets, liabilities and equity, the income statements as well as the financial statement analysis.

Notes:
Students must register for both ACCT 645D1 and ACCT 645D2
No credit will be given for this course unless both ACCT 645D1 and ACCT 645D2 are successfully completed in consecutive terms
ACCT 645D1 and ACCT 645D2 together are equivalent to ACCT 645

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 645D2
Credit Weight: 1
Transcript Title: Financial Mgmt in Healthcare
Calendar Title: Financial Management in Healthcare.
Description:
For description see ACCT 645D1.

Notes:
Prerequisite: ACCT 645D1
No credit will be given for this course unless both ACCT 645D1 and ACCT 645D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 653
Credit Weight: 3
Transcript Title: Issues in Professional Acct 1
Calendar Title: Issues in Professional Accounting 1.
Description:
How fundamental concepts in financial accounting and reporting, including technically complex accounting issues and their audit, performance management, tax and finance implications, are integrated into decision-making.

Notes:
Restriction: Open only to students in the Graduate Certificate in Professional Accounting.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is June 20, 2023.
*Desautels GCPA Prog students only. Intensive course. Add/drop May 23, w/withdrawal Jun 20.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**ACCT 653D1**  
**Credit Weight:** 1.5  
**Transcript Title:** Issues in Professional Acct 1  
**Calendar Title:** Issues in Professional Accounting 1.  
**Description:**  
How fundamental concepts in financial accounting and reporting, including technically complex accounting issues and their audit, performance management, tax and finance implications, are integrated into decision-making.  
**Notes:**  
Restriction: Open only to students in the Graduate Certificate in Professional Accounting.  
Students must register for both ACCT 653D1 and ACCT 653D2.  
No credit will be given for this course unless both ACCT 653D1 and ACCT 653D2 are successfully completed in consecutive terms.  
ACCT 653D1 and ACCT 653D2 together are equivalent to ACCT 653.  
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the fourth lecture day and withdrawal is the sixth lecture day.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**ACCT 653D2**  
**Credit Weight:** 1.5  
**Transcript Title:** Issues in Professional Acct 1  
**Calendar Title:** Issues in Professional Accounting 1.  
**Description:**  
How fundamental concepts in financial accounting and reporting, including technically complex accounting issues and their audit, performance management, tax and finance implications, are integrated into decision-making.  
**Notes:**  
Prerequisite: ACCT 653D1.  
No credit will be given for this course unless both ACCT 653D1 and ACCT 653D2 are successfully completed in consecutive terms.  
ACCT 653D1 and ACCT 653D2 together are equivalent to ACCT 653.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**ACCT 654**  
**Credit Weight:** 3  
**Transcript Title:** Issues in Professional Acct 2  
**Calendar Title:** Issues in Professional Accounting 2.  
**Description:**  
Fundamental concepts in financial accounting and reporting, including technically complex accounting issues and their audit, performance management, tax and finance implications, are integrated into decision-making and strategies through case scenarios.  
**Notes:**  
Restriction: Open only to students in the Graduate Certificate in Professional
Accounting.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is June 20, 2023.**

*Desautels GCPA Prog students only. Intensive course. Add/drop May 25, w/withdrawal Jun 20.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 654D1
Credit Weight: 1.5
Transcript Title: Issues in Professional Acct 2
Calendar Title: Issues in Professional Accounting 2.
Description:
Fundamental concepts in financial accounting and reporting, including technically complex accounting issues and their audit, performance management, tax and finance implications, are integrated into decision-making and strategies through case scenarios.

Notes:
Restriction: Open only to students in the Graduate Certificate in Professional Accounting.
Students must register for both ACCT 654D1 and ACCT 654D2.
No credit will be given for this course unless both ACCT 654D1 and ACCT 654D2 are successfully completed in consecutive terms.
ACCT 654D1 and ACCT 654D2 together are equivalent to ACCT 654.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the fourth lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 654D2
Credit Weight: 1.5
Transcript Title: Issues in Professional Acct 2
Calendar Title: Issues in Professional Accounting 2.
Description:
Fundamental concepts in financial accounting and reporting, including technically complex accounting issues and their audit, performance management, tax and finance implications, are integrated into decision-making and strategies through case scenarios.

Notes:
Prerequisite: ACCT 654D1
No credit will be given for this course unless both ACCT 654D1 and ACCT 654D2 are successfully completed in consecutive terms.
ACCT 654D1 and ACCT 654D2 together are equivalent to ACCT 654.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 663
Credit Weight: 3
Transcript Title: Strategic Aspects of Acct 1
Calendar Title: Strategic Aspects of Accounting 1.
Description:
Corporate governance, strategy, risk management, and management reporting needs,
with a particular emphasis on their integration with accounting practice, finance and taxation. Formulating deliberate and emergent strategies, and translating those strategies into specific objectives and actions which are used in decision-making.

**Notes:**
Restriction: Open only to students in the Graduate Certificate in Professional Accounting.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is June 20, 2023.
*Desautels GCPA Prog students only. Intensive course. Add/drop May 23, w/withdrawal Jun 20.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

**ACCT 663D1**
**Credit Weight:** 1.5
**Transcript Title:** Strategic Aspects of Acct 1
**Calendar Title:** Strategic Aspects of Accounting 1.

**Description:**
Corporate governance, strategy, risk management, and management reporting needs, with a particular emphasis on their integration with accounting practice, finance and taxation. Formulating deliberate and emergent strategies, and translating those strategies into specific objectives and actions which are used in decision-making.

**Notes:**
Restriction: Open only to students in the Graduate Certificate in Professional Accounting.
Students must register for both ACCT 663D1 and ACCT 663D2. No credit will be given for this course unless both ACCT 663D1 and ACCT 663D2 are successfully completed in consecutive terms.
ACCT 663D1 and ACCT 663D2 together are equivalent to ACCT 663.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the fourth lecture day and withdrawal is the sixth lecture day.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

**ACCT 663D2**
**Credit Weight:** 1.5
**Transcript Title:** Strategic Aspects of Acct 1
**Calendar Title:** Strategic Aspects of Accounting 1.

**Description:**
Corporate governance, strategy, risk management, and management reporting needs, with a particular emphasis on their integration with accounting practice, finance and taxation. Formulating deliberate and emergent strategies, and translating those strategies into specific objectives and actions which are used in decision-making.

**Notes:**
Prerequisite: ACCT 663D1
No credit will be given for this course unless both ACCT 663D1 and ACCT 663D2 are successfully completed in consecutive terms.
ACCT 663D1 and ACCT 663D2 together are equivalent to ACCT 663.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
Status (catalog level): Active

ACCT 664
Credit Weight: 3
Transcript Title: Strategic Aspects of Acct 2
Calendar Title: Strategic Aspects of Accounting 2.
Description: Corporate governance, strategy, risk management, and management reporting needs, with a particular emphasis on their integration with accounting practice, finance and taxation. Emphasis is also placed on competence required to build good monitoring and control systems and perform financial analysis for different types of entities. Case scenarios are used to integrate these concepts into decision-making.
Notes: Restriction: Open only to students in the Graduate Certificate in Professional Accounting. **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is June 20, 2023. *Desautels GCPA Prog students only. Intensive course. Add/drop May 25, w/withdrawal Jun 20.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 664D1
Credit Weight: 1.5
Transcript Title: Strategic Aspects of Acct 2
Calendar Title: Strategic Aspects of Accounting 2.
Description: Corporate governance, strategy, risk management, and management reporting needs, with a particular emphasis on their integration with accounting practice, finance and taxation. Emphasis is also placed on competence required to build good monitoring and control systems and perform financial analysis for different types of entities. Case scenarios are used to integrate these concepts into decision-making.
Notes: Restriction: Open only to students in the Graduate Certificate in Professional Accounting. Students must register for both ACCT 664D1 and ACCT 664D2. No credit will be given for this course unless both ACCT 664D1 and ACCT 664D2 are successfully completed in consecutive terms. ACCT 664D1 and ACCT 664D2 together are equivalent to ACCT 664. Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the fifth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ACCT 664D2
Credit Weight: 1.5
Transcript Title: Strategic Aspects of Acct 2
Calendar Title: Strategic Aspects of Accounting 2.
Description: Corporate governance, strategy, risk management, and management reporting needs,
with a particular emphasis on their integration with accounting practice, finance and taxation. Emphasis is also placed on competence required to build good monitoring and control systems and perform financial analysis for different types of entities. Case scenarios are used to integrate these concepts into decision-making.

**Notes:**
Prerequisite: ACCT 664D1
No credit will be given for this course unless both ACCT 664D1 and ACCT 664D2 are successfully completed in consecutive terms.
ACCT 664D1 and ACCT 664D2 together are equivalent to ACCT 664.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

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**ACCT 683**
**Credit Weight:** 4
**Transcript Title:** Practice of Taxation
**Calendar Title:** Practice of Taxation.
**Description:**
Providing taxation services and guidance, including assisting individual and corporate entities to minimize taxes and meet their objectives while complying with tax laws and regulations. Addressing compliance and tax-planning issues for both individuals and corporate entities, as well as, to a lesser extent, partnerships and trusts. Recognizing the interrelationship between financial reporting decisions and taxation, and the importance of taking taxes into account when making business and investment decisions.

**Notes:**
Prerequisite(s): ACCT 653, ACCT 654, ACCT 663, ACCT 664
Restriction(s): Open only to students in the Graduate Certificate in Professional Accounting (GCPA) program.
Students who have received credit for this course prior to 201405 must take the course again to obtain credit for it in the Graduate Certificate in Professional Accounting.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

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**ACCT 687**
**Credit Weight:** 4
**Transcript Title:** Assurance Services
**Calendar Title:** Assurance Services.
**Description:**
Performing both internal audit projects and external assurance engagements; from understanding how governance plays a key role, assessing the need for an engagement, to developing and performing the procedures, through to documenting and reporting results. While this course is primarily designed for students who wish to practise public accounting or to work in internal audit, it would be beneficial to a wide range of students because it focuses on the key concepts of auditing, such as risk, materiality, and internal control, which are concepts that have broad application.

**Notes:**
Prerequisite(s): ACCT 653, ACCT 654, ACCT 663, ACCT 664
Restriction(s): Open only to students in the Graduate Certificate in Professional Accounting (GCPA) program.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active
ACCT 689
Credit Weight: 4  
Transcript Title: Financial Business Analysis  
Calendar Title: Financial Business Analysis  
Description: Developing overall finance policies and identifying, analyzing, evaluating, and recommending investment and financing decisions. Applying appropriate finance principles and conceptual approaches to determine appropriate courses of action. Providing finance-related services for an entity, either individually or as part of a larger team, understanding when the advice of a finance specialist is required, and understanding and communicating with other finance professionals. 
Notes: Prerequisite: ACCT 653, ACCT 654, ACCT 663, ACCT 664  
Restriction(s): Open only to students in the Graduate Certificate in Professional Accounting (GCPA) program. Students who have received credit for this course prior to fall 2014 must take the course again to obtain credit for it in the Graduate Certificate in Professional Accounting. 
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

ACCT 690
Credit Weight: 3  
Transcript Title: Advanced Topics in Acct. 1  
Calendar Title: Advanced Topics in Accounting 1.  
Description: A learning cell in which one or more students work with a faculty member. 
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

ACCT 695
Credit Weight: 4  
Transcript Title: Integrative Analysis  
Calendar Title: Integrative Analysis.  
Description: Integration of the enabling competencies and the six technical competency areas required of a CPA. Developing strategic leadership capabilities and the ability to bring an integrative perspective to decision-making including: professional and ethical behaviour, problem-solving and decision-making, communication (both written and oral), self-management, teamwork and leadership. 
Notes: Prerequisite(s): Any two of the following: ACCT 683, ACCT 685, ACCT 687, ACCT 689.  
Corequisite: ACCT 699  
Restriction(s): Open only to students in the Graduate Certificate in Professional Accounting.  
This is an intensive offering. In addition to Tuesday and Thursday evening classes, there will four (4) Saturday classes offered from 9 to 3 pm. **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day. *Desautels GCPA Prog students only. Intensive course. Add/drop May 17, w/withdrawal Jun 21.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is June 21, 2023.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**ACCT 696**

**Credit Weight:** 1.5

**Transcript Title:** Adv Topics in Acct Analytics

**Calendar Title:** Advanced Topics in Accounting Analytics.

**Description:**
Current emerging topics in accounting analytics. Course content will vary each term.

**Notes:**
Prerequisites: (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

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**ACCT 699**

**Credit Weight:** 0

**Transcript Title:** Exam Preparation Seminar

**Calendar Title:** Exam Preparation Seminar.

**Description:**
Using complex and highly integrative cases that simulate real-life business issues to apply the technical and enabling competencies acquired throughout the CPA certification program. Practicing developing responses to business simulations and communicating a well-structured response.

**Notes:**
Prerequisites: Any two courses of the following: ACCT 683, ACCT 685, ACCT 687, ACCT 689.

Corequisite: ACCT 695

A fee of $2,000.00 is charged to all students enrolled in this non-credit course to cover the cost of case preparation, individualized debriefing sessions and a variety of seminars to deal with topics ranging from proper studying to technical refreshers on new standards. Students who have taken this course prior to summer 2014 must take the course again to satisfy the requirement for it in the Graduate Certificate in Professional Accounting.

Restrictions: Open only to students in the Graduate Certificate in Professional Accounting.

CFE Prep Seminar ACCT 699 for MG (Desautels Faculty of Management) only.

This is an intensive offering.

**Web add deadline is April 24, 2022, which is before the start of classes.

**No web drop allowed.

**No web withdrawal allowed.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**ACCT 705**

**Credit Weight:** 3

**Transcript Title:** Seminar in Accounting

**Calendar Title:** Seminar in Accounting.

**Description:**
Seminar in Accounting.

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Management  
**Status (catalog level)**: Active

**ACCT 706**

**Credit Weight**: 3  
**Transcript Title**: Research Design in Accounting  
**Calendar Title**: Research Design in Accounting.  
**Description**: 
Course is designed in two parts. The first part covers major research design issues relevant to all fields of accounting. The second part addresses critical methodological issues specific to various fields of accounting research.

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Management  
**Status (catalog level)**: Active

**ACCT 707**

**Credit Weight**: 3  
**Transcript Title**: Accountability & Sustainability  
**Calendar Title**: Accountability and Sustainability.  
**Description**: 
The course provides an overview of key research on the broader role of accounting and accountability in shaping sustainable organizational and societal practices. The course focuses on most recent theoretical and empirical advances in two rapidly growing interrelated fields of research: environmental accounting and social accounting.

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Management  
**Status (catalog level)**: Active
AEBI 120
Credit Weight: 3
Transcript Title: General Biology
Calendar Title: General Biology.
Description:
An introduction to core themes in biological sciences, including cell structure and function, cell replication, gene expression, genetic inheritance, biodiversity, evolution, and ecological interactions.
Notes:
Fall
2 lectures and one 3-hour lab per week
Restriction: Not open to students who have obtained CEGEP competency 00UK.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

AEBI 122
Credit Weight: 3
Transcript Title: Cell Biology
Calendar Title: Cell Biology.
Description:
Introduction to key topics in cell biology, including chemical biology, cell membranes, enzymes in biological reactions, cellular energetics, cell signaling, DNA synthesis and repair, gene expression and regulatory mechanisms. Connections between cell biology and animal physiology.
Notes:
Provides a basis for later courses in cell biology.
Restriction(s): Not open to students who have passed BIOL 112 or obtained CEGEP competency 00XU; not equivalent to LSCI 202.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEBI 210
Credit Weight: 3
Transcript Title: Organisms 1
Calendar Title: Organisms 1.
Description:
The biology of plants and plant-based systems in managed and natural terrestrial environments. The interactions between autotrophs and soil organisms and selected groups of animals with close ecological and evolutionary connections with plants (e.g., herbivores and pollinators) will be explored in lecture and laboratory.
Notes:
3 hours of lecture and 2 hours of lab, per week.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AEBI 211
Credit Weight: 3
Transcript Title: Organisms 2
Calendar Title: Organisms 2.
Description:
Introduction to the biology of heterotrophs, focusing on animal diversity from the perspectives of phylogenetics, physiology, and ecology. Introduction to major animal taxa, comparing and contrasting these taxa, and exploration of the relationships among them.
AEBI 212
Credit Weight: 3
Transcript Title: Evolution and Phylogeny
Calendar Title: Evolution and Phylogeny.
Description:
Overview of the tree of life and exploration of the central role evolution plays in the field of biology. Difficulties inherent to classifying life and critically assessing evolutionary theory among scientific and popular audiences. The importance of phylogenetics and the relationships among major groups of organisms.

AEBI 421
Credit Weight: 3
Transcript Title: Trop. Horticultural Ecology
Calendar Title: Tropical Horticultural Ecology.
Description:
A comprehensive survey of the major fruit, vegetable, turf, and ornamental crops grown in Barbados. Effect of cultural practices, environment, pests and pathogens, social and touristic activities, and importation of horticultural produce on local horticulture.

AEBI 423
Credit Weight: 3
Transcript Title: Sustainable Land Use
Calendar Title: Sustainable Land Use.
Description:
Management, preservation, and utilization of forage crops in sustainable tropical environments; examination of their value as livestock feed in terms of nutritional composition and impact on animal performance; land use issues as it pertains to forage and animal production in insular environments.

AEBI 421
Corequisite(s): AEBI 423, AEBI 425, AEBI 427
Restriction: Restricted to students that are participating in the Barbados Interdisciplinary Tropical Studies Field Semester
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Project course AEBI 427 runs concurrently with the other courses (AEBI 421, AEBI 423 & AEBI 425) and the Mondays of each week are dedicated to AEBI 427.

AEBI 423
Corequisite(s): AEBI 421, AEBI 425, AEBI 427
Restriction: Restricted to students that are participating in the Barbados Interdisciplinary Tropical Studies Field Semester
**Since this course is being taught abroad, la Fête Nationale du Québec (June 24th) and Canada Day (July 1st) statutory holidays will not be taken into
consideration. Therefore, students are expected to attend their lectures on both Wednesday, June 24 and Wednesday, July 1, 2020.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Project course AEBI 427 runs concurrently with the other courses (AEBI 421, AEBI 423 & AEBI 425) and the Mondays of each week are dedicated to AEBI 427.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Project course AEBI 427 runs concurrently with the other courses (AEBI 421, AEBI 423 & AEBI 425) and the Mondays of each week are dedicated to AEBI 427.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AEBI 425
Credit Weight: 3
Transcript Title: Tropical Energy and Food
Calendar Title: Tropical Energy and Food.
Description: Tropical biofuel crops, conversion processes and final products, particularly energy and greenhouse gas balances and bionutraceuticals. Topics include effects of process extraction during refining on biofuel economics, the food versus fuel debate and impact of biofuels and bioproducts on tropical agricultural economics.
Notes: Corequisite(s): AEBI 421, AEBI 423 and AEBI 427.
Restriction: Restricted to students that are participating in the Barbados Interdisciplinary Tropical Studies Field Semester

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Project course AEBI 427 runs concurrently with the other courses (AEBI 421, AEBI 423 & AEBI 425) and the Mondays of each week are dedicated to AEBI 427.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AEBI 427
Credit Weight: 6
Transcript Title: Barbados Interdisc Project
Calendar Title: Barbados Interdisciplinary Project.
Description: The planning of projects and research activities related to tropical food, nutrition, or energy at the local, regional, or national scale in Barbados. Projects and activities designed in consultation with university instructors, government, NGO, or private partners, and prepared by teams of 2-3 students working cooperatively with these mentors.
Notes: Corequisite(s): AEBI 421, AEBI 423 and AEBI 425
Restriction(s): Restricted to students that are participating in the Barbados Interdisciplinary Tropical Studies Field Semester

**Since this course is being taught abroad, the Victoria Day statutory holiday will not be taken into consideration. Therefore, students are expected to attend their lecture on Monday, May 18, 2020.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Project course AEBI 427 runs concurrently with the other courses (AEBI 421, AEBI 423 & AEBI 425) and the Mondays of each week are dedicated to AEBI 427.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active
AECH 110
Credit Weight: 4
Transcript Title: General Chemistry 1
Calendar Title: General Chemistry 1.
Description:
The course will be a study of the fundamental principles of atomic structure, valence theory and the periodic table.
Notes:
Fall
3 lectures, one 3 hour lab, and one tutorial hour
Restriction: Note open to students who have taken FDSC 110.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AECH 111
Credit Weight: 4
Transcript Title: General Chemistry 2
Calendar Title: General Chemistry 2.
Description:
Thermodynamics, kinetics, equilibrium, aqueous solution chemistry including applications to acids, bases and buffers and selected topics in organic chemistry.
Notes:
Winter
3 lectures, one 3 hour lab, and one tutorial hour
Prerequisite(s): FDSC 110 or AECH 110
Restriction: Not open to students who have taken FDSC 111.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AECH 118
Credit Weight: 1
Transcript Title: General Chemistry Laboratory 1
Calendar Title: General Chemistry Laboratory 1.
Description:
The laboratory component of AECH 110. Illustrative experiments.
Notes:
Fall
Prerequisite: Permission of instructor.
Restriction: Open only to entering students who have the lecture equivalent of AECH 110. Not open to students who have taken or are taking AECH 110, CHEM 110, or CHEM 112.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AECH 119
Credit Weight: 1
Transcript Title: General Chemistry Laboratory 2
Calendar Title: General Chemistry Laboratory 2.
Description:
The laboratory component of AECH 111. Illustrative experiments.
Notes:
Winter
Prerequisite: Permission of instructor.
Restrictions: Open only to entering students who have the lecture equivalent of...
AEC 111. Not open to students who have taken or are taking AEC 111, CHEM 120, or CHEM 122.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Bioresource Engineering

**Status (catalog level):** Active
AEHM 205

Credit Weight: 3
Transcript Title: Science Literacy
Calendar Title: Science Literacy.
Description:
Development of English language and information literacy. Problem-based approach using science topics from specializations offered by the Faculty will be central to skill development. The course includes how to research and compose work in scientific format and will encourage a reader-oriented style.
Notes:
Students whose first language is not English are encouraged to register for WCOM 295, ESL: Academic English Seminar, or equivalent, prior to starting their program.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

AEHM 330

Credit Weight: 3
Transcript Title: Academic & Scientific Writing
Calendar Title: Academic and Scientific Writing.
Description:
The object of the course is to enable students who have previously mastered the basic elements of written English to produce well-written, well-researched, and well-documented scientific papers for an academic audience and beyond.
Notes:
3 hours
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
AEMA 101
Credit Weight: 3
Transcript Title: Calculus 1
Calendar Title: Calculus 1.
Description:
Notes:
Fall
3 lectures
Prerequisite: a course in functions
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

AEMA 102
Credit Weight: 4
Transcript Title: Calculus 2
Calendar Title: Calculus 2.
Description:
Integration, the indefinite and definite integral. Trapezoidal and Simpson's Rule approximations for the integral. Applications to areas between curves, distance, volume, length of a curve, work, area of a surface of revolution, average values, moments, etc. Improper integrals and infinite series.
Notes:
Winter
3 lectures
Prerequisite: Calculus 1 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

AEMA 105
Credit Weight: 1
Transcript Title: Precalculus Lab
Calendar Title: Precalculus Lab.
Description:
Problem-solving: foundational material in algebra concepts, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, graphs and equations, trigonometry, analytic trigonometry, systems of linear equations, sequences & series.
Notes:
(1.0 credit) (2 lab hours per week; normally taken concurrently with AEMA 101 Calculus 1)
Restrictions: Open only to students in FAES whose background is deficient in Precalculus mathematics. Not open to students who have taken CEGEP competency OOUl, AEMA 102, or equivalent. Not open to students who have taken AEMA 100 or MATH 112. Permission of instructor required.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEMA 202
Credit Weight: 3
Transcript Title: Intermediate Calculus
Calendar Title: Intermediate Calculus.
Description:
Partial differentiation; multiple integrals; vector calculus; infinite series; and introduction to the use of computer-based mathematical tools in applications.

Notes:

Fall
3 lectures and 1 conference
Restrictions: Not open to students who have taken MATH 222
Prerequisites: BREE 103 and AEMA 102 or equivalent CEGEP objectives 00UP and 00UQ or permission of instructor
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEMA 305
Credit Weight: 3
Transcript Title: Differential Equations
Calendar Title: Differential Equations.
Description:
First and second order differential equations, Laplace transforms, numerical solutions, systems of differential equations, series solutions, applications to biological, chemical and engineering systems, use of computer-based mathematical tools.
Notes:
Winter
Restrictions: Not open to students who have taken MATH 315
Prerequisite: AEMA 202 or equivalent
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEMA 310
Credit Weight: 3
Transcript Title: Statistical Methods 1
Calendar Title: Statistical Methods 1.
Description:
Measures of central tendency and dispersion; binomial and Poisson distributions; normal, chi-square, Student's t and Fisher-Snedecor F distributions; estimation and hypothesis testing; simple linear regression and correlation; analysis of variance for simple experimental designs.
Notes:
Two 1.5-hour lectures and one 2-hour lab
Please note that credit will be given for only one introductory statistics course. Consult your academic advisor.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AEMA 403
Credit Weight: 3
Transcript Title: Environmetrics Stage
Calendar Title: Environmetrics Stage.
Description:
Summer stage of at least four weeks, including a report. Provides students with professional experience in statistical analyses of environmental data. Can be undertaken at federal or provincial research stations and university research laboratories.
Notes:
Prerequisite: Permission of the instructor based on satisfactory completion of the U2 year of the Environmetrics Domain in the McGill School of Environment

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Plant Science

Status (catalog level): Active

AEMA 411

Credit Weight: 3

Transcript Title: Experimental Designs 01

Calendar Title: Experimental Designs 01.

Description:
General principles of experimental design, split-plot designs, spatial heterogeneity and experimental design, incomplete block designs and unbalanced designs, analysis of repeated measures, multivariate and modified univariate analyses of variance, central composite designs.

Symbols: ALTY - Taught in alternate years

Notes:
Two 1.5-hour lectures
Prerequisite: AEMA 310 or equivalent
Offered in alternate years with AEMA 414
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Plant Science

Status (catalog level): Active

AEMA 414

Credit Weight: 3

Transcript Title: Temporal & Spatial Statistics 01

Calendar Title: Temporal and Spatial Statistics 01.

Description:
Temporal statistics: analysis in the time domain, Box-Jenkins forecasting methodology, analysis in the frequency domain, periodogram analysis. Spatial statistics: mapping, autocorrelogram analysis, geostatistics. Statistical inference with autocorrelated sample data.

Symbols: ALTY - Taught in alternate years

Notes:
Two 1.5-hour lectures
Prerequisite: AEMA 310 or equivalent
Offered in alternate years with AEMA 411

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Plant Science

Status (catalog level): Active

AEMA 610

Credit Weight: 3

Transcript Title: Statistical Methods 2

Calendar Title: Statistical Methods 2.

Description:
Principles of linear models, multiple regression equations and classification models. Introduction to Analysis of Variance and common statistical designs used in agricultural and environmental sciences. Emphasis on balanced and unbalanced designs and data structures; their analysis and tests of statistical significance.

Notes:
3 lectures and one 2-hour lab
Prerequisite: AEMA 310 or equivalent

Administrating Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

AEMA 611
Credit Weight: 3
Transcript Title: Experimental Designs 1
Calendar Title: Experimental Designs 1.
Description:
General principles of experimental design, split-plot designs, spatial heterogeneity and experimental design, incomplete block designs and unbalanced designs, analysis of repeated measures, multivariate and modified univariate analyses of variance, central composite designs.
Symbols: ALTY - Taught in alternate years
Notes:
3 hours lectures and 1 conference
Prerequisite: AEMA 310 or equivalent

Administrating Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

AEMA 614
Credit Weight: 3
Transcript Title: Temporal & Spatial Statistics 1
Calendar Title: Temporal and Spatial Statistics 1.
Description:
Temporal statistics: analysis in the time domain, Box-Jenkins forecasting methodology, analysis in the frequency domain, periodogram analysis. Spatial statistics: mapping, autocorrelogram analysis, geostatistics. Statistical inference with autocorrelated sample data.
Symbols: ALTY - Taught in alternate years
Notes:
3 hours lectures and 1 conference
Prerequisite: AEMA 310 or equivalent

Administrating Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active
AEPH 112
Credit Weight: 4
Transcript Title: Introductory Physics 1
Calendar Title: Introductory Physics 1.
Description:
Notes:
Fall
Three 1-hour lectures, one 2-hour lab, one 1.5-hour tutorial per week
Corequisite: AEMA 101 or equivalent
Restrictions: Not open to students who have passed AEPH 113 or obtained CEGEP competency 00UR. Not open to students in Bioresource Engineering.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEPH 113
Credit Weight: 4
Transcript Title: Physics 1
Calendar Title: Physics 1.
Description:
Notes:
Three 1-hour lectures, one 2-hour lab, and one 1-hour tutorial per week.
Corequisite: AEMA 101 or equivalent.
Note: Not open to students who have taken AEPH 112, PHYS 101 or PHYS 131, and open to students in Bioresource Engineering
Restrictions: Not open to students who have passed AEPH 112 or obtained CEGEP competency 00UR. Open only to students in Bioresource Engineering.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEPH 114
Credit Weight: 4
Transcript Title: Introductory Physics 2
Calendar Title: Introductory Physics 2.
Description:
Electric and magnetic properties of matter: electrostatics, electric currents, the link between electric and magnetic phenomena, geometrical optics, interference diffraction.
Notes:
Winter
3 lecture hours, 2 lab hours, 2 tutorial hours
Prerequisite: AEPH 112 or AEPH 113 or PHYS 101 or PHYS 131 or CEGEP objective 00UR or equivalents, or permission of instructor
Corequisite: AEMA 102 (or MATH 141 or higher level calculus course) or CEGEP objective 00UP, or permission of instructor.
Restriction: Not open to students who have taken PHYS 102 or PHYS 142 or AEPH 115 or CEGEP objective 00US or equivalent. Not open to students in Bioresource Engineering.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEPH 115
Credit Weight: 4
Transcript Title: Physics 2
Calendar Title: Physics 2.
Description:
Notes:
Three 1-hour lectures, one 2-hour lab, and one 1-hour tutorial per week
Prerequisites: AEPH 112 or AEPH 113 or PHYS 101 or PHYS 131 or equivalent.
Corequisite: AEMA 102 or equivalent
Note: Not open to students who have taken AEPH 114, PHYS 102 or PHYS 142, and open only to students in Bioresource Engineering
Restriction: Not open to students who have passed AEPH 114 or obtained CEGEP competencies 00US and 00UT. Open only to students in Bioresource Engineering.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEPH 120
Credit Weight: 1
Transcript Title: Physics Laboratory 1
Calendar Title: Physics Laboratory 1.
Description:
The laboratory component of AEPH 112/AEPH 113. Illustrative experiments.
Notes:
Fall
Prerequisite: Permission of instructor.
Restrictions: Open only to entering students who have the lecture equivalent of AEPH 112 or AEPH 113. Not open to students who have taken or are taking AEPH 112, AEPH 113, PHYS 101, PHYS 107, PHYS 117, PHYS 131.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AEPH 122
Credit Weight: 1
Transcript Title: Physics Laboratory 2
Calendar Title: Physics Laboratory 2.
Description:
The laboratory component of AEPH 114/AEPH 115. Illustrative experiments.
Notes:
Winter
Prerequisite: Permission of instructor.
Restrictions: Open only to entering students who have the lecture equivalent of AEPH 114 or AEPH 115. Not open to students who have taken or are taking AEPH 114, AEPH 115, PHYS 102, PHYS 108, PHYS 118, PHYS 142.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active
AERO 401
Credit Weight: 3
Transcript Title: Intro to Aerospace Engineering
Calendar Title: Introduction to Aerospace Engineering.
Description:
Notes:
Restrictions: Restricted to students enrolled in the Minor in Aerospace Engineering. Open to other students with instructor permission.
Administrating Faculty: Faculty of Engineering
Teaching Department: Institute for Aerospace Eng.
Status (catalog level): Active

AERO 410
Credit Weight: 3
Transcript Title: Aerospace Design&Cert. Process
Calendar Title: Aerospace Design and Certification Process.
Description:
Notes:
Restriction: Restricted to students enrolled in the Minor in Aerospace Engineering
Prerequisite: AERO 401
Administrating Faculty: Faculty of Engineering
Teaching Department: Institute for Aerospace Eng.
Status (catalog level): Active

AERO 460D1
Credit Weight: 3
Transcript Title: Aerospace Project
Calendar Title: Aerospace Project.
Description:
Application of the material learned in other courses in the Minor in Aerospace Engineering to an applied project. Team project work will involve the design, fabrication, verification, and application of an aerospace system / component. Lectures on topics related to design and management of design projects. Emphasis is on the completion of a project of professional quality in collaboration with the aerospace industry.
Notes:
Corequisite: AERO 410
Students must register for both AERO 460D1 and AERO 460D2.
No credit will be given for this course unless both AERO 460D1 and AERO 460D2 are successfully completed in consecutive terms.
Restriction: Restricted to students enrolled in the Minor in Aerospace Engineering.
Administrating Faculty: Faculty of Engineering
Teaching Department: Institute for Aerospace Eng.
Status (catalog level): Active
AERO 460D2
Credit Weight: 3
Transcript Title: Aerospace Project
Calendar Title: Aerospace Project.
Description: For description see AERO 460D1.
Notes: Prerequisite: AERO 460D1
No credit will be given for this course unless both AERO 460D1 and AERO 460D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Engineering
Teaching Department: Institute for Aerospace Eng.
Status (catalog level): Active
AFRI 200
Credit Weight: 3
Transcript Title: Intro to African Studies
Calendar Title: Introduction to African Studies.
Description:
The African experience and current approaches to African studies, through adopting multidisciplinary perspectives on topics that include political conflict, governance and democratization, environment and conservation, economic development, rural life and urbanism, health and illness, gender, social change, popular culture, literature, film, and the arts.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

AFRI 401
Credit Weight: 3
Transcript Title: Swahili Language and Culture
Calendar Title: Swahili Language and Culture.
Description:
Basic knowledge of the Swahili language and culture with emphasis on handling circumstances that might be encountered in field research: everyday conversation, developing aural and oral skills and mastering basic grammar rules, understanding cultural norms and practices, issues of culture sensitivity and appropriateness.
Notes:
Note: Priority to students in the African Studies Program and/or participants of the Canadian Field Studies in Africa program and to students with a demonstrable need related to internship or research. Approval by African Studies Program Adviser required.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

AFRI 480
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading, research and preparation of an undergraduate thesis under the direction of a staff member.
Notes:
Prerequisite: the completion of all available courses relevant to the topic, and permission of the instructor and Program Adviser prior to registration
Restriction(s): Open only to Joint Honours students.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

AFRI 481
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description:
Supervised reading in advanced special topics in African Studies under the direction of a member of staff.
Notes:
Prerequisite: the completion of all available courses relevant to the topic, and permission of the instructor and Program Adviser prior to registration
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

AFRI 499
Credit Weight: 3
Transcript Title: Arts Internship: African Stud
Calendar Title: Arts Internships: African Studies.
Description:
Internship with an approved host institution or organization.
Notes:
Note: U2 and U3 students in good standing, normally after completing 30 credits of a 90-credit program or 45 credits of a 96-120 credit program, a minimum CGPA of 2.7, and permission from the departmental Internship Adviser. This course will normally not fulfill program requirements for seminar or 400-level courses.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

AFRI 598
Credit Weight: 3
Transcript Title: Res Sem in African Studies
Calendar Title: Research Seminar in African Studies.
Description:
An interdisciplinary research seminar on topics of common interest to staff and students of the African Studies Program. As part of their contribution, students will prepare a research paper under the supervision of one or more members of staff.
Notes:
Prerequisite: an introductory course in any of the disciplines studying Africa
Restriction: Open to final year Program students, and to others by permission of Program Adviser

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active
AGEC 200
Credit Weight: 3
Transcript Title: Principles of Microeconomics
Calendar Title: Principles of Microeconomics.
Description:
The field of economics as it relates to the activities of individual consumers, firms and organizations. Emphasis is on the application of economic principles and concepts to everyday decision making and to the analysis of current economic issues.
Notes:
Fall
3 lectures
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 201
Credit Weight: 3
Transcript Title: Principles of Macroeconomics
Calendar Title: Principles of Macroeconomics.
Description:
The overall economic system, how it works, and the instruments used to solve social problems. Emphasis will be on decision-making involving the entire economic system and segments of it.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
3 lectures
Prerequisite: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 231
Credit Weight: 3
Transcript Title: Econ Systems of Agriculture
Calendar Title: Economic Systems of Agriculture.
Description:
The structure and organization of Canada's agriculture-food system, the operation, financing, linkages, and functions of its components. Focus to be on management of the various components and the entire system, types of problems confronted now and in the future.
Notes:
Winter
3 lectures
Prerequisite: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 242
Credit Weight: 3
Transcript Title: Management Theories&Practices
Calendar Title: Management Theories and Practices.
Description:
An introduction to contemporary management theories and practices in organizations of the food sector.
Notes:
Fall
3 lectures
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 320
Credit Weight: 3
Transcript Title: Intermed Microeconomic Theory
Calendar Title: Intermediate Microeconomic Theory.
Description:
An intermediate theory course in agricultural economics, dealing with economic
concepts as applied to agricultural production and cost functions. Includes theory
and application of linear programming as related to production decisions.
Notes:
Winter
3 lectures
Prerequisite: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 330
Credit Weight: 3
Transcript Title: Agriculture and Food Markets
Calendar Title: Agriculture and Food Markets.
Description:
Nature and organization of agricultural and food markets as economic institutions,
including the application of economic theory to problems within the agri-food
marketing chain. Spatial and temporal price relationships, and the role of market
structure.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

AGEC 332
Credit Weight: 3
Transcript Title: Farm Management and Finance
Calendar Title: Farm Management and Finance.
Description:
Managing and financing a farm business. Topics include: the decision making
process, farm management and economic concepts, the analysis of financial
statements, farm planning and budgeting, input management, investment analysis,
risk in financial management, the acquisition and cost of capital.
Notes:
Prerequisite: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

AGEC 333
Credit Weight: 3
Transcript Title: Resource Economics
Calendar Title: Resource Economics.
Description:
The role of resources in the environment, use of resources, and management of economic resources within the firm or organization. Problem-solving, case studies involving private and public decision-making in organizations are utilized.
Notes:
Fall
Prerequisites: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 425
Credit Weight: 3
Transcript Title: Applied Econometrics
Calendar Title: Applied Econometrics.
Description:
The theory and application of econometrics to empirical issues in agriculture and environment. Diagnosis and treatment of standard violations of the assumptions underlying ordinary least squares.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
3 lectures
Prerequisites: AEMA 310, AGEC 200 and AGEC 201 or equivalents
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 430
Credit Weight: 3
Transcript Title: Agric, Food & Resource Policy
Calendar Title: Agriculture, Food and Resource Policy.
Description:
Examination of North American and international agriculture, food and resource policies, policy instruments, programs and their implications. Economic analysis applied to the principles, procedures and objectives of various policy actions affecting agriculture, and the environment.
Notes:
Winter
3 lectures
Prerequisites: AGEC 200 or equivalent
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 442
Credit Weight: 3
Transcript Title: Econ of Int'l Agric Dvlpmnt
Calendar Title: Economics of International Agricultural Development.
Description:
The course deals with economic aspects of international development with emphasis on the role of food, agriculture and the resource sector in the economy of developing countries. Topics will include world food analysis, development project analysis and policies for sustainable development. Development case studies will
be used.

Notes:
Winter
3 lectures

Prerequisites: AGEC 200 or AGEC 201 or equivalent

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 450
Credit Weight: 3
Transcript Title: Agribusiness Management
Calendar Title: Agribusiness Management.
Description:
Strategic management of agricultural and food businesses. Analysis of internal and external factors and competitive forces affecting agribusinesses. Formulation of business strategy and solutions to strategic problems. Case-based course designed to enhance students' problem-solving and decisionmaking skills. Integration of knowledge and tools from various economics and business disciplines.
Symbols: ALTY - Taught in alternate years

Notes:
Winter
3 lectures

Prerequisites: AGEC 231, AGEC 330, AGEC 332 and an accounting course, or approval of instructor

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 491
Credit Weight: 3
Transcript Title: Research & Methodology
Calendar Title: Research and Methodology.
Description:
Conceptual and philosophical foundations of research methodology, and the procedural aspects of planning, designing and conducting research in applied economics.

Notes:
Prerequisites: AGEC 201 or equivalent and AGEC 320 or permission of the instructor
Corequisites: AGEC 425 or permission of the instructor

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 492
Credit Weight: 3
Transcript Title: Special Topics: Agric Econ 01
Calendar Title: Special Topics in Agricultural Economics 01.
Description:
Students will pursue topics that are not otherwise available in formal courses. An individual course of study will be followed under the supervision of a member of the staff qualified in the appropriate discipline or area.

Notes:
Fall, Winter
Prerequisite: AGEC 201 or equivalent

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 630
Credit Weight: 3
Transcript Title: Food and Agricultural Policy
Calendar Title: Food and Agricultural Policy.
Description: This course examines the role of government in the agriculture and food industry through the nature and causes of the problems addressed, the instruments and institutions by which policy is implemented and the effects of different policies. Emphasis is placed on the application of economic models to analyze policy problems.
Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 633
Credit Weight: 3
Transcript Title: Enviro & Natural Resource Econ
Calendar Title: Environmental and Natural Resource Economics.
Description: An advanced course in the theory and problems of environmental and resource economics and in the analytical techniques used to assess environmental and resource use issues.
Symbols: ALTY - Taught in alternate years
Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 642
Credit Weight: 3
Transcript Title: Econ of Agr Development
Calendar Title: Economics of Agricultural Development.
Description: This course focuses on the role of agriculture in economic development. Topics covered will be - development theories, economic efficiency, employment, technology adoption and structural change in developing countries. Also, agriculture, food and development policies and implications for long term planning will be discussed.
Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 685
Credit Weight: 3
Transcript Title: Selected Topics in Agric Econ
Calendar Title: Selected Topics in Agricultural Economics.
Description: This course is designed to permit students to explore agricultural economics topics that are not covered in other courses. Students may be asked to prepare a presentation or lead discussion on the selected topic for the benefit of other students and staff. (Pass/Fail grading.)
Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active
AGEC 690
Credit Weight: 3
Transcript Title: Seminar: Agricultural Economics
Calendar Title: Seminar in Agricultural Economics.
Description: Current research on economic problems of agriculture, the agri-food system and the environment through presentations by staff, students and special guests. Article discussion on the latest issues and methods in agricultural economics.

Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 691
Credit Weight: 3
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: Thesis proposal development - problem statement.

Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 692
Credit Weight: 3
Transcript Title: M.Sc. Thesis 2
Calendar Title: M.Sc. Thesis 2.
Description: Literature review for the thesis research.

Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 693
Credit Weight: 6
Transcript Title: M.Sc. Thesis 3
Calendar Title: M.Sc. Thesis 3.
Description: Develop hypotheses for testing and identify the appropriate method.

Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 694
Credit Weight: 6
Transcript Title: M.Sc. Thesis 4
Calendar Title: M.Sc. Thesis 4.
Description: Research to be undertaken on hypotheses testing and interpreting results.

Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active

AGEC 695
Credit Weight: 6
Transcript Title: M.Sc. Thesis 5
Calendar Title: M.Sc. Thesis 5.
Description:
Writing of the final version of the thesis under the supervision of the Supervisory Committee to be submitted for graduation.
Administering Faculty: Graduate Studies
Teaching Department: Agricultural Economics
Status (catalog level): Active
AGRI 120
Credit Weight: 3
Transcript Title: Exobiospheres
Calendar Title: Exobiospheres.
Description: Introduction to basic astronomical, biological, chemical and (geo)physical principles of systems capable of giving rise to and sustaining living structures, in both natural and artificial biospheres, within our solar system and beyond.
Notes: Restriction: Open only to students in the Freshman Program of FAES on Macdonald Campus.
Note: Not equivalent to EPSC 205/ANAT 205.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AGRI 195
Credit Weight: 0.5
Transcript Title: Freshman Seminar 1
Calendar Title: Freshman Seminar 1.
Description: Members of the Faculty and/or Student Services will present seminars on resources available to help students develop the requisite skills to facilitate their transition into university life.
Notes: Restriction: Open only to Freshman (U0) students. Not open to students who have taken or are taking BREE 187.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AGRI 196
Credit Weight: 0.5
Transcript Title: Freshman Seminar 2
Calendar Title: Freshman Seminar 2.
Description: Members of the Faculty will present seminars on topical issues about their areas of research.
Notes: Restriction: Open only to Freshman (U0) Students. Not open to students who have taken or are taking BREE 188.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

AGRI 215
Credit Weight: 3
Transcript Title: Agro-Ecosystems Field Course
Calendar Title: Agro-Ecosystems Field Course.
Description: Through case studies and field trips, students will examine the problems and constraints within the Canadian agro-ecosystem, including the interrelationships among food production, the environment, agricultural policy and social issues. Research in this field of study will also be introduced.
Notes: This course carries an additional charge to cover the cost of transportation (bus rental) for local field trips to agricultural enterprises. The fee is refundable
only during the withdrawal with full refund period

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Plant Science

**Status (catalog level):** Active

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**AGRI 310**

**Credit Weight:** 3

**Transcript Title:** Internship in Agr./Environ.

**Calendar Title:** Internship in Agriculture/Environment.

**Description:**
Internship on working farms or in other appropriate businesses of the agri-food/environment industries.

**Notes:**
Restriction: Not open to students who have taken AGRI 201D1/D2.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Plant Science

**Status (catalog level):** Active

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**AGRI 325**

**Credit Weight:** 3

**Transcript Title:** Sustainable Agr&Food Security

**Calendar Title:** Sustainable Agriculture and Food Security.

**Description:**
Travel and exposure to a foreign agricultural sector where sustainable agricultural practices (e.g., organic farm production, ecological management of pests and weeds, crop rotation, water conservation, etc.), regulations, and policies are examined within the context of land use, local economies, and food security issues.

**Notes:**
Prerequisite: AGEC 200 or equivalent or permission of instructor
Lectures and visits will be jointly delivered by local experts and McGill Staff.
Lectures (25%) and field visits (75%). Final year students should note that graduation may be delayed.
This course has a fee of $1,720.00, a small portion of which is tax receiptable on the T2202A; it includes internal travel (by coach), accommodation, most of the meals for the duration of the course, as well as instructor costs.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.**

**The instructor’s approval is required.**
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Animal Science

**Status (catalog level):** Active

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**AGRI 330**

**Credit Weight:** 1

**Transcript Title:** Agricultural Legislation

**Calendar Title:** Agricultural Legislation.

**Description:**
A study of Quebec legislation of importance to the agricultural sector, with emphasis on the reasons why these laws were implemented and on their net effects on this sector. Some Canadian laws will be covered but only inasmuch as they affect Quebec agriculture.

**Notes:**
Some written materials in this course are only available in French.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Plant Science  
**Status (catalog level):** Active

**AGRI 340**  
**Credit Weight:** 3  
**Transcript Title:** Princ of Ecological Agricult  
**Calendar Title:** Principles of Ecological Agriculture.  
**Description:** Focus on low-input, sustainable, and organic agriculture: the farm as an ecosystem; complex system theory; practical examples of soil management, pest control, integrated crop and livestock production, and marketing systems.  
**Notes:** 3 lectures and one 2-hour seminar  
Restriction: Not open to students who have taken AGRI 250

**AGRI 401**  
**Credit Weight:** 6  
**Transcript Title:** Honours Research Project 1  
**Calendar Title:** Honours Research Project 1.  
**Description:** Preparation of a literature review, progress report, and delivery of a proposal seminar, as well as initiating the research project.  
**Notes:** Prerequisite: Permission of the instructor  
Restriction: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Agro-Environmental Sciences program.

**AGRI 402**  
**Credit Weight:** 6  
**Transcript Title:** Honours Research Project 2  
**Calendar Title:** Honours Research Project 2.  
**Description:** Completion of the honours research project, including a progress report, a final project report, and a project presentation.  
**Notes:** Prerequisites: AGRI 401 and permission of the instructor  
Restriction: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Agro-Environmental Sciences program.

**AGRI 405**  
**Credit Weight:** 3  
**Transcript Title:** Honours Project 1  
**Calendar Title:** Honours Project 1.  
**Description:** Preparation of a literature review, progress report and delivery of a proposal
Seminar, as well as initiating the research project.

Notes:
Prerequisite: Permission of the instructor.
Restriction: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Agro-Environmental Sciences program.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

AGRI 406
Credit Weight: 3
Transcript Title: Honours Project 2
Calendar Title: Honours Project 2.
Description:
Completion of the honours project, including a progress report, a final project report, and a project presentation.

Notes:
Prerequisites: AGRI 405 and permission of the instructor.
Restriction: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Agro-Environmental Sciences program.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

AGRI 410
Credit Weight: 6
Transcript Title: Agrology Internship
Calendar Title: Agrology Internship.
Description:
Professional internship (stage) under the supervision of a practicing agrologist.

Notes:
Restriction: Not open to students who have taken AGRI 301D1/D2.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AGRI 410D1
Credit Weight: 3
Transcript Title: Agrology Internship
Calendar Title: Agrology Internship.
Description:
Professional internship (stage) under the supervision of a practicing agrologist.

Notes:
Restriction: Not open to students who have taken AGRI 301D1/D2.
Students must register for both AGRI 410D1 and AGRI 410D2.
No credit will be given for this course unless both AGRI 410D1 and AGRI 410D2 are successfully completed in consecutive terms.
AGRI 410D1 and AGRI 410D2 together are equivalent to AGRI 410.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AGRI 410D2
Credit Weight: 3
Transcript Title: Agrology Internship
Calendar Title: Agrology Internship.
Description:
See AGRI 410D1 for course description.

Notes:
Prerequisite: AGRI 410D1
No credit will be given for this course unless both AGRI 410D1 and AGRI 410D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AGRI 411
Credit Weight: 3
Transcript Title: Global Issues on Dev, Food & Agr
Calendar Title: Global Issues on Development, Food and Agriculture.
Description:
International development and world food security and challenges in developing countries. Soil and water management, climate change, demographic issues, plant and animal resources conservation, bio-products and biofuels, economic and environmental issues, especially in tropical and sub-tropical regions. Globalization, sustainable development, technology transfer and human resources needs for rural development.

Notes:
Winter
Two 2-hour conferences

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

AGRI 430
Credit Weight: 2
Transcript Title: Professional Prac in Agrology
Calendar Title: Professional Practice in Agrology.
Description:
This course introduces students to the professional aspects of the practice of agrology. Topics include understanding the responsibilities of agrologists, the broad context and functioning of the Québec agricultural industry, how to deal with clients, colleagues, and understanding legal and regulatory aspects of the profession in Québec.

Notes:
Restriction: U3 or permission of instructor.
This course requires the ability to read in French and understand spoken French.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

AGRI 435
Credit Weight: 3
Transcript Title: Soil & Water Quality Mgmt
Calendar Title: Soil and Water Quality Management.
Description:
Management of soil and water systems for sustainability. Cause of soil degradation, surface and groundwater contamination by agricultural chemicals and toxic pollutants. Human health and safety concerns. Water-table management. Soil and water conservation techniques will be examined with an emphasis on methods of prediction and best management practices.

Notes:
Fall
3 lectures and one 3-hour lab
This course carries an additional charge of $37.68 to cover the cost of transportation with respect to a field trip. The fee is refundable only during the withdrawal with full refund period.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Natural Resource Sciences  
**Status (catalog level):** Active

**AGRI 452**
**Credit Weight:** 3  
**Transcript Title:** Water Resources in Barbados  
**Calendar Title:** Water Resources in Barbados.

**Description:**
Physical environment challenges, centered on water, being faced by an island nation. Guest speakers, field study tours and laboratory tests. Private, government and NGO institutional context of conservation strategies, and water quantity and quality analyses for water management specific to Barbados.

**Notes:**
Restrictions: Enrolment in full "Barbados Field Study Semester". Not open to students who have taken CIVE 452.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**AGRI 490**
**Credit Weight:** 3  
**Transcript Title:** Agri-Food Industry Project  
**Calendar Title:** Agri-Food Industry Project.

**Description:**
Interdisciplinary team project in the agri-food industry.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Plant Science  
**Status (catalog level):** Active

**AGRI 493**
**Credit Weight:** 3  
**Transcript Title:** International Project Mgmt  
**Calendar Title:** International Project Management.

**Description:**
Principles and practice related to management of agriculture, nutrition and environmental projects within an international context. Case-studies and workshops drawing on expertise of development professionals from government and the private sector address techniques and resources for successful planning, implementation and evaluation within a multi-sectoral framework.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**AGRI 498**
**Credit Weight:** 3  
**Transcript Title:** Agri. Development Research  
**Calendar Title:** Agricultural Development Research.

**Description:**
Supervised reading and research project related to agriculture, food systems, nutrition and health in developing countries.

**Notes:**
Prerequisite: Permission of instructor
Restriction: Open only to U2 or U3 students in the IAFS major.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**AGRI 499**
**Credit Weight:** 3  
**Transcript Title:** Agri. Development Internship  
**Calendar Title:** Agricultural Development Internship.  
**Description:** Supervised internship to provide practical experience working on agricultural issues related to international development. The internship can take many forms, including work in a developing country, for an agency that focuses on international development, or on a research project that aims at solving problems faced by developing populations.

**Notes:**  
Prerequisite: Permission of instructor  
Students should take this course after having completed four semesters in their undergraduate program. It is the student's responsibility to find an appropriate internship, which must be approved by the instructor before registration is authorized.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**AGRI 510**
**Credit Weight:** 3  
**Transcript Title:** Professional Practice  
**Calendar Title:** Professional Practice.  
**Description:** The ethical issues that face a professional in the workplace; professional ethics and deontology, professional responsibilities as related to the laws of labour, health, safety and risks to the environment, risk management and communication.

**Symbols:** ALTY - Taught in alternate years

**Notes:**  
Restriction: Course restricted to senior undergraduate and graduate students.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

**AGRI 519**
**Credit Weight:** 6  
**Transcript Title:** Sustainable Development Plans  
**Calendar Title:** Sustainable Development Plans.  
**Description:** Geared for solving real-world environmental problems related to water at the local, regional and international scale in Barbados. Projects to be designed by instructors in consultation with university, government and NGO partners and to be conducted by teams of 2 to 4 students in collaboration with them.

**Notes:**  
Restrictions: Enrolment in full "Barbados Field Study Semester". Not open to students who have taken CIVE 519 or URBP 519.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active
AGRI 550

Credit Weight: 3

Transcript Title: Sustained Tropical Agriculture

Calendar Title: Sustained Tropical Agriculture.

Description:

Symbols: ALTY - Taught in alternate years

Notes:
Prerequisites: HISP 218 or equivalent; MATH 203 or AEMA 310 or equivalent
Restriction: Restricted Enrolment. Location in Panama. Student must be registered for a full semester of studies in Panama

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Plant Science

Status (catalog level): Active
ANAE 301
Credit Weight: 2
Transcript Title: TCP Anesthesia
Calendar Title: TCP Anesthesia.
Description:
This two-week required course exposes students to Anesthesia through lectures, simulated activities and supervised participation in perioperative patient care. Learning experiences relate to the basics of resuscitation, pain management, and preoperative, intraoperative, and postoperative anesthesia care. Students will demonstrate understanding of clinical applications of pharmacology and physiology.
Notes:
Restriction(s): Open only to students in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Anaesthesia
Status (catalog level): Active
ANAT 212
Credit Weight: 3
Transcript Title: Molec Mechanisms of Cell Funct
Calendar Title: Molecular Mechanisms of Cell Function.
Description:
An introductory course describing the biochemistry and molecular biology of selected key functions of animal cells, including: gene expression; mitochondrial production of metabolic energy; cellular communication with the extra-cellular environment; and regulation of cell division.
Notes:
Winter
Prerequisite: BIOL 200
Restriction: This course is also listed as BIOC 212. Not open to students who have taken or are taking BIOC 212 or BIOL 201
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 214
Credit Weight: 3
Transcript Title: Systemic Human Anatomy
Calendar Title: Systemic Human Anatomy.
Description:
Introduction to the gross anatomy of the various organ systems of head, neck and trunk regions of the human body. Emphasis on functional anatomy. Laboratory component includes exploration of the human body through cadaveric prosections, imaging and other materials.
Notes:
Fall
2 hours lectures, 2 hours laboratory
Prerequisites: BIOL 112 (or CEGEP equivalent), PHGY 209 and PHGY 210
This course is limited in size, with guaranteed admission for all students enrolled in the Department of Anatomy and Cell Biology. Students in other programs will be permitted to enroll as space allows.
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 261
Credit Weight: 4
Transcript Title: Intro to Dynamic Histology
Calendar Title: Introduction to Dynamic Histology.
Description:
An introduction to light and electron microscopic anatomy in which cell and tissue dynamics will be explored in the principal tissues and organs of the body.
Notes:
Fall
3 hours lectures, 2 hours laboratory
Must be taken in U1 by students in Anatomy and Cell Biology programs
Prerequisite: BIOL 112 or CEGEP equivalent
Restriction: Open to students in biological sciences and others by special permission
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 262
Credit Weight: 3
Transcript Title: Intro Molecular & Cell Biol
Calendar Title: Introductory Molecular and Cell Biology.
Description:
The architectural, functional and temporal continuity of organelles and the cytoskeleton of mammalian cells is introduced as well as their functional integration in the phenomena of exocytosis, endocytosis, protein trafficking and cell motility and adhesion.
Notes:
Winter
3 hours lecture
Corequisites: ANAT 212 or BIOC 212 or BIOL 201
Restriction: Open to students in biological sciences and others by special permission
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 314
Credit Weight: 3
Transcript Title: Human Musculoskeletal Anatomy
Calendar Title: Human Musculoskeletal Anatomy.
Description:
Introduction to the gross anatomy of the musculoskeletal system (bone, joints, muscles and neurovascular structures) of the head, neck, trunk, upper and lower limb regions of the human body, emphasizing functional anatomy and including surface anatomy and imaging. Exploration of the human body through cadaveric prosections, imaging and other materials.
Notes:
Winter
Prerequisite: ANAT 214
Restrictions: Not open to students who have taken or are taking ANAT 315.
2 hours lectures, 2 hours laboratory
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 315
Credit Weight: 3
Transcript Title: Clin Hum Musculoskeletal Anat
Calendar Title: Clinical Human Musculoskeletal Anatomy.
Description:
The regional human gross anatomy of the skeleton, joints, muscles and neurovascular structures of the body as it relates to physical and occupational therapists. Laboratories include the study of prepared cadaveric specimens and the completion of a cadaveric dissection.
Notes:
Fall
2 hours lectures, 2 hour laboratory
Restriction: Open to students in Physical and Occupational Therapy and Kinesiology. Not open to students who have taken or are taking ANAT 314.
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 316
Credit Weight: 3  
Transcript Title: Clinical Human Visceral Anat  
Calendar Title: Clinical Human Visceral Anatomy.  
Description:  
The gross anatomy of the various organ systems of the human body, with emphasis on those aspects of greatest relevance to physical and occupational therapists. Laboratories include the study of prepared specimens.  
Notes:  
Winter  
Two hours of lecture and two hours of laboratory  
Prerequisite: ANAT 315 or permission of instructor  
Restriction: Open to students in Physical and Occupational Therapy and Kinesiology. Not open to students who have taken or are taking ANAT 214.  
Administering Faculty: Faculty of Science  
Teaching Department: Anatomy and Cell Biology  
Status (catalog level): Active

ANAT 321  
Credit Weight: 3  
Transcript Title: Circuitry of the Human Brain  
Calendar Title: Circuitry of the Human Brain.  
Description:  
This course explores the functional organization of the human brain and spinal cord. The course focuses on how neuronal systems are designed to subserve specific motor, sensory, and cognitive operations.  
Notes:  
Fall  
3 hours lecture  
Prerequisites: ANAT/BIOC 212 or BIOL 201; and one of PHGY 209, NSCI 200 or PSYC 211; or permission of instructor  
Administering Faculty: Faculty of Science  
Teaching Department: Anatomy and Cell Biology  
Status (catalog level): Active

ANAT 322  
Credit Weight: 3  
Transcript Title: Neuroendocrinology  
Calendar Title: Neuroendocrinology.  
Description:  
A lecture course describing brain-endocrine relationships. Emphasis on modern experimental evidence and conceptual developments within the field.  
Notes:  
Winter  
3 hours lecture  
Prerequisite: PHGY 210.  
Administering Faculty: Faculty of Science  
Teaching Department: Anatomy and Cell Biology  
Status (catalog level): Active

ANAT 323  
Credit Weight: 3  
Transcript Title: Clinical Neuroanatomy  
Calendar Title: Clinical Neuroanatomy.  
Description:  
This course will focus on the structural and functional relationships of the central nervous system. The human neuroanatomy will be introduced via pathological
cases and will be illustrated by use of new medical imaging techniques.

Notes:
Prerequisites for Physical & Occupational Therapy students: ANAT 315 and ANAT 316
Prerequisites for Honours Anatomy & Cell Biology students: ANAT 214 and ANAT 314.
Restrictions: Restricted to Honours Anatomy & Cell Biology students and Physical & Occupational Therapy students.
Not open to students who have taken or are taking ANAT 321.

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 365
Credit Weight: 3
Transcript Title: Cellular Trafficking
Calendar Title: Cellular Trafficking.
Description:
This course explores the fundamental mechanisms that govern the organizations of intracellular membranes, how vesicle generation is signaled, how the membranes curve and bud, and how vesicles know where to go and fuse. In addition to intracellular vesicles, the principles of mitochondrial dynamics and process of cellular autophagy are examined. Also, there is a focus on "Applied Cell Biology", with respect to how the exquisite regulation of cellular transport plays a central role in complex biological systems. A series of modules will take students through the mechanisms of cellular polarity, neurotransmission, metabolic cell biology, pathogen invasion, and more. The emphasis is on the morphological aspects of the processes, and on the major techniques that led to discovery.
Notes:
Fall
3 hours lectures
Prerequisites: ANAT 261, ANAT 262, PHGY 209, or by permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 381
Credit Weight: 3
Transcript Title: Experimental Embryology
Calendar Title: Experimental Embryology.
Description:
The basic processes of reproduction and embryonic development, such as molecular signaling; cell-cell interaction; differentiation; cell fate determination; genetic and epigenetic control of embryonic development.
Notes:
Fall
3 hour lectures
Prerequisites: ANAT 261, BIOL 202 or permission of instructor
Restriction(s): Not open to students who have taken BIOL 303.

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.
Notes:
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 416
Credit Weight: 3
Transcript Title: Dev., Disease and Regeneration
Calendar Title: Development, Disease and Regeneration.
Description:
Importance of developmental biology for disease and regeneration. Topics: advanced developmental biology principles; molecular basis for stem cells and their potential applications; organogenesis and its applications to various diseases.
Notes:
Winter
3 hours lecture
Prerequisite(s): ANAT 381 or BIOL 303 or special permission of instructor

ANAT 432
Credit Weight: 9
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
Supervised honours research project in biological sciences.
Notes:
Prerequisite: BIOL 301
Restriction: For students in the Honours program.
Course opened to all Anatomy & Cell Biology students and other BSc students by special permission only.

ANAT 432D1
Credit Weight: 4.5
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
Supervised honours research project in biological sciences.
Notes:
Prerequisite: BIOL 301
Restriction: For students in the Honours program.
Course opened to all Anatomy & Cell Biology students and other BSc students by special permission only.
Students must register for both ANAT 432D1 and ANAT 432D2.
No credit will be given for this course unless both ANAT 432D1 and ANAT 432D2 are successfully completed in consecutive terms
ANAT 432D1 and ANAT 432D2 together are equivalent to ANAT 432

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 432D2
Credit Weight: 4.5
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
See ANAT 432D1 for course description.
Notes:
Prerequisite: ANAT 432D1
Restriction: Limited enrollment
Course opened to all Anatomy & Cell Biology students and other BSc students by special permission only.
No credit will be given for this course unless both ANAT 432D1 and ANAT 432D2 are successfully completed in consecutive terms
ANAT 432D1 and ANAT 432D2 together are equivalent to ANAT 432

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 458
Credit Weight: 3
Transcript Title: Membranes & Cellular Signaling
Calendar Title: Membranes and Cellular Signaling.
Description:
An integrated treatment of the properties of biological membranes and of intracellular signaling, including the major role that membranes play in transducing and integrating cellular regulatory signals. Biological membrane organization and dynamics; membrane transport; membrane receptors and their associated effectors; mechanisms of regulation of cell growth, morphology, differentiation and death.
Notes:
Winter
3 hours lectures
Prerequisites: BIOC 212 or ANAT 212 or BIOL 201, ANAT 262, one of PHGY 209 or BIOL 205; one of BIOC 312 or ANAT 365; BIOC 311 recommended
Restriction: This course is also listed as BIOC 458. Not open to students who are taking or who have taken BIOC 458

Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 499
Credit Weight: 1
Transcript Title: Supervised Library Research
Calendar Title: Supervised Library Research.
**Description:**
Supervised exploration of the current scientific literature as it pertains to the advanced field of anatomy and cell biology.

**Notes:**
- Fall, Winter
- Prerequisites: ANAT 262 and BIOL 202
- Open to U3 Anatomy and Cell Biology students; open to other students with permission of instructor

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Anatomy and Cell Biology  
**Status (catalog level):** Active

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**ANAT 514**  
**Credit Weight:** 3  
**Transcript Title:** Adv Human Anatomy Laboratory  
**Calendar Title:** Advanced Human Anatomy Laboratory.  
**Description:**  
A laboratory course exploring human anatomy education through regionally focused dissection-based projects and applications of technology in anatomy teaching and learning.

**Notes:**
- Prerequisites: ANAT 214 and ANAT 314  
- Restrictions: Open to U3 Anatomy & Cell Biology students  
- 1 hour lecture, 4 hours laboratory

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Anatomy and Cell Biology  
**Status (catalog level):** Active

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**ANAT 541**  
**Credit Weight:** 3  
**Transcript Title:** Cell & Mol Biology of Aging  
**Calendar Title:** Cell and Molecular Biology of Aging.  
**Description:**  
Complex aging process, including theories and mechanisms of aging, animal model systems used to study aging, age-dependent diseases, for example, Alzheimer's, osteoporosis, and cancer, and age-related diseases, for example, Werner's syndrome and dyskeratosis congenita.

**Notes:**
- Winter  
- 3 hours lecture  
- Prerequisites: ANAT 212 (or BIOC 212 or BIOL 201), ANAT 261, ANAT 262, or permission of instructor.  
- Corequisite: BIOL 301.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Anatomy and Cell Biology  
**Status (catalog level):** Active

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**ANAT 542**  
**Credit Weight:** 3  
**Transcript Title:** TEM of Biological Samples  
**Calendar Title:** Transmission Electron Microscopy of Biological Samples.  
**Description:**  
Overview of theory, principles and practical applications of conventional and cryo-transmission electron microscopy relevant to biological samples. Major topics to be covered include: sample preparation and imaging, image analysis, three-dimensional reconstruction (including single-particle analysis an
Notes:
Prerequisite(s): Permission of instructor
2 hours lectures, 3 hours laboratory
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 565
Credit Weight: 3
Transcript Title: Diseases-Membrane Trafficking
Calendar Title: Diseases-Membrane Trafficking.
Description:
This course will examine how research into diseases has played a key role in unraveling the intricate molecular mechanisms controlling membrane trafficking in mammalian cells. Membrane trafficking disorders fall into two groups those arising from a) membrane-associated or b) cytoskeletal defect. Topics include a) mechanisms of endosomal maturation, lysosomal storage disorders and rab protein-mediated vesicular trafficking and b) rho GTPase and cytoskeletal binding protein mediated trafficking associated with neurological diseases and cancer.
Notes:
Prerequisite: ANAT 365
Administering Faculty: Faculty of Science
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 601
Credit Weight: 3
Transcript Title: MSc Seminar Examination
Calendar Title: MSc Seminar Examination.
Description:
The term before the student graduates, the student is to present a 30 minute seminar on their thesis work in a public seminar open to all members of the Department of Anatomy & Cell Biology, followed by a question period lasting 15 to 20 minutes. All faculty, cross-appointed academic staff, post docs and students are expected to attend the seminar.
Notes:
Restriction: Masters in Cell Biology students
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 690D1
Credit Weight: 3
Transcript Title: Cell and Developmental Biology
Calendar Title: Cell and Developmental Biology.
Description:
Current developments in molecular cell biology and developmental biology will be presented by course coordinators and staff from primary papers in the scientific literature. These will be researched and critiqued by students through oral and written presentations. Two term papers are required for students taking the course.
Notes:
Students must register for both ANAT 690D1 and ANAT 690D2
No credit will be given for this course unless both ANAT 690D1 and ANAT 690D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 690D2
Credit Weight: 3
Transcript Title: Cell and Developmental Biology
Calendar Title: Cell and Developmental Biology.
Description:
See ANAT 690D1 for course description.
Notes:
Prerequisite: ANAT 690D1
No credit will be given for this course unless both ANAT 690D1 and ANAT 690D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 695
Credit Weight: 3
Transcript Title: Seminars in Cell Biology 1
Calendar Title: Seminars in Cell Biology 1.
Description:
Weekly assignments based on seminars attended will be graded by the supervisor. A grade of P or F will be assigned.
Notes:
Restriction: Restricted to Masters and PhD students in Cell Biology
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 696
Credit Weight: 3
Transcript Title: Seminars in Cell Biology 2
Calendar Title: Seminars in Cell Biology 2.
Description:
Weekly assignments based on seminars attended will be graded by the supervisor. A grade of P or F will be assigned.
Notes:
Prerequisite: ANAT 695
Restriction: Restricted to Graduate students in Cell Biology
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 697
Credit Weight: 3
Transcript Title: Seminars in Cell Biology 3
Calendar Title: Seminars in Cell Biology 3.
Description:
Weekly assignments based on seminars attended will be graded by the supervisor. A grade of P or F will be assigned.
Notes:
Prerequisites: ANAT 695 and ANAT 696
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active
ANAT 698

Credit Weight: 24
Transcript Title: M.Sc. Thesis Research 1
Calendar Title: M.Sc. Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the guidance of the thesis advisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 698D1

Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 1
Calendar Title: M.Sc. Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the guidance of the thesis advisory Committee.

Notes: Students must register for both ANAT 698D1 and ANAT 698D2
No credit will be given for this course unless both ANAT 698D1 and ANAT 698D2 are successfully completed in consecutive terms
ANAT 698D1 and ANAT 698D2 together are equivalent to ANAT 698

Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 698D2

Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 1
Calendar Title: M.Sc. Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the guidance of the thesis advisory Committee.

Notes: Prerequisite: ANAT 698D1
No credit will be given for this course unless both ANAT 698D1 and ANAT 698D2 are successfully completed in consecutive terms
ANAT 698D1 and ANAT 698D2 together are equivalent to ANAT 698

Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 701

Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description: Compulsory comprehensive examination to evaluate the students' ability to carry out, present, discuss and defend research in their field of scientific interest.

Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 701D1
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description: Compulsory comprehensive examination to evaluate the students' ability to carry out, present, discuss and defend research in their field of scientific interest.
Notes: Students must register for both ANAT 701D1 and ANAT 701D2
No credit will be given for this course unless both ANAT 701D1 and ANAT 701D2 are successfully completed in consecutive terms
ANAT 701D1 and ANAT 701D2 together are equivalent to ANAT 701
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active

ANAT 701D2
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description: Compulsory comprehensive examination to evaluate the students' ability to carry out, present, discuss and defend research in their field of scientific interest.
Notes: Prerequisite: ANAT 701D1
No credit will be given for this course unless both ANAT 701D1 and ANAT 701D2 are successfully completed in consecutive terms
ANAT 701D1 and ANAT 701D2 together are equivalent to ANAT 701
Administering Faculty: Graduate Studies
Teaching Department: Anatomy and Cell Biology
Status (catalog level): Active
ANSC 234
Credit Weight: 3
Transcript Title: Biochemistry 2
Calendar Title: Biochemistry 2.
Description:
Metabolism in humans and domestic animals. The chemistry of alimentary digestion, absorption, transport, intermediary metabolism and excretion.
Notes:
Prerequisite: LSCI 211
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 250
Credit Weight: 3
Transcript Title: Principles of Animal Science
Calendar Title: Principles of Animal Science.
Description:
Introduction to the scientific principles underlying the livestock and poultry industries. Emphasis will be placed on the breeding, physiology and nutrition of animals raised for the production of food and fibre.
Notes:
Fall
3 lectures and one 2-hour lab
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 251
Credit Weight: 3
Transcript Title: Comparative Anatomy
Calendar Title: Comparative Anatomy.
Description:
Study of the macroscopic anatomy of mammals based on detailed dissection of the dog. Comparison with other domestic species will be emphasized.
Notes:
Winter
3 lectures and one 3-hour lab
A fee of $253.47 will be charged to partially cover the purchase of sufficient quantities of animals and organs for detailed dissection for students in the course.
Une redevance de $253.47 dollars sera appliquée afin de couvrir, en partie, les frais des spécimens qui seront utilisés pour la dissection dans le cours
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 301
Credit Weight: 3
Transcript Title: Principles of Animal Breeding
Calendar Title: Principles of Animal Breeding.
Description:
The qualitative and quantitative aspects of genetics as they apply to the economic improvement of domestic mammals and birds. Topics include: animal domestication, animal cytology, Mendelian traits of economic importance, principles of population genetics, statistical tools to describe populations, environmental effects, selection and mating systems.
Notes:
Winter
3 lectures and one 2-hour lab
Prerequisite: AEMA 310, LSCI 204
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 303
Credit Weight: 2
Transcript Title: Farm Livestock Internship
Calendar Title: Farm Livestock Internship.
Description:
Practical experience in the day-to-day management of a major livestock species (dairy, swine, poultry, or specific combination) on the Macdonald Campus Farm. Interaction with personnel and training in the operations of a farm-animal enterprise.
Notes:
Prerequisite: ANSC 250 (or equivalent, or permission)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 312
Credit Weight: 3
Transcript Title: Animal Health and Disease
Calendar Title: Animal Health and Disease.
Description:
An introduction to the pathogenesis and control of diseases in farm animals. Immune response and other protective mechanisms. Implications of animal diseases and drug therapy for product safety and public health.
Notes:
Winter
3 lectures and one 2-hour conference
Prerequisite(s): ANSC 250 or ANSC 323 or PHGY 209
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 323
Credit Weight: 3
Transcript Title: Mammalian Physiology
Calendar Title: Mammalian Physiology.
Description:
A study of the organization, functions and regulation of various organ systems in mammals. The nervous, endocrine, muscular, cardiovascular, respiratory, urinary, digestive and reproductive systems are discussed.
Notes:
Fall
3 lectures and one 3-hour lab
Prerequisite(s): LSCI 202 or LSCI 204 or ANSC 234
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 324
Credit Weight: 3
Transcript Title: Devel. Biology & Reproduction
Calendar Title: Developmental Biology and Reproduction.
Description: Focus on the hormonal, cellular and molecular aspects of reproduction and development (gametogenesis, folliculogenesis, fertilization, embryonic and foetal development, parturition, lactation period, periods before and after puberty). Emphasis on underlying cellular mechanisms and their regulation by hormones and the environment.
Notes: Prerequisites: LSCI 211 and ANSC 323
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 326
Credit Weight: 3
Transcript Title: Fundamentals of Pop'n Genetics
Calendar Title: Fundamentals of Population Genetics.
Description: Population genetics mechanisms in mammals, birds and plant. Factors influencing gene, genotype, and phenotypic frequencies. Effects of different types of selection, Hardy-Weinberg, linkage and recombination, polymorphisms and heterozygosity, population size, random drift and inbreeding on gene and genotype frequencies. Relationship between quantitative genetic parameters and gene frequencies.
Notes: Prerequisites: AEMA 310 and LSCI 204, or equivalents, or permission of the instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 350
Credit Weight: 3
Transcript Title: Food-Borne Pathogens
Calendar Title: Food-Borne Pathogens.
Description: Exploration of the taxonomy, characteristics, epidemiology, mechanisms of pathogenicity, disease, incidence, and factors affecting the survival and growth of pathogenic microorganisms in foods of animal origin; principles of detection, prevention and control of food-borne pathogens (bacteria, fungi, protozoa, helminths, viruses).
Notes: Prerequisite: LSCI 230, or permission of the instructor
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 400
Credit Weight: 3
Transcript Title: Eukaryotic Cells and Viruses
Calendar Title: Eukaryotic Cells and Viruses.
Description: The basic principles of molecular biology and the underlying molecular basis for various methodologies in molecular biology are covered. The molecular genetic
basis for viral infections and tumorigenesis will be covered as examples of the use of molecular genetic approaches to address biological problems.

Notes:
Prerequisite: LSCI 204

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 420
Credit Weight: 3
Transcript Title: Animal Biotechnology
Calendar Title: Animal Biotechnology.
Description:
Applications of animal biotechnology in agriculture, biomedicine and environmental preservation, including culture, manipulation and transformation of somatic cells, isolation of stem cells, reproductive biotechnologies, animal cloning by nuclear transplantation, production of genetically modified and gene-edited animals, and cell and gene therapies.

Notes:
Prerequisites: LSCI 202 and LSCI 230

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 424
Credit Weight: 3
Transcript Title: Metabolic Endocrinology
Calendar Title: Metabolic Endocrinology.
Description:
A detailed study of the endocrine system and its role in the maintenance of homeostasis in higher vertebrates, including the endocrine regulation of energy balance.

Notes:
Winter
3 lectures and one 3-hour lab
Prerequisite: ANSC 323

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 433
Credit Weight: 3
Transcript Title: Animal Nutrition & Metabolism
Calendar Title: Animal Nutrition and Metabolism.
Description:
Introduction to fundamental aspects of animal nutrition, including gastrointestinal anatomy and physiology; nutrient digestion, absorption, and metabolism; nutrient functions and requirements of livestock species; evaluation of feedstuffs and their use in ration formulation; and feeding strategies. Laboratory classes will include hands-on experience on feed analyses, gastrointestinal tract dissections, nutritional experiments and demonstrations in livestock species as well as computer-based ration balancing exercises.

Notes:
Winter
3 lectures and one 1-hour lab
Prerequisites: ANSC 234 or ANSC 330 or permission of instructor

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 451
Credit Weight: 3
Transcript Title: Dairy and Beef Prod Management
Calendar Title: Dairy and Beef Production Management.
Description:
Overview of the Canadian Dairy and Beef industries with emphasis on products, environment, management systems, reproductive technologies, health, genetic improvement, automation, information recording and use of housing facilities and equipment. Field trips to dairy and beef farms as well as processing units included for illustration and application of concepts.
Notes:
Prerequisite: ANSC 250, or permission of the instructor.
Restrictions: Open to U2 students or higher.

ANSC 455
Credit Weight: 3
Transcript Title: Special Topics: Animal Science
Calendar Title: Special Topics: Animal Science.
Description:
Topics that are not otherwise available in formal courses. Investigation of a particular topic will be carried out under the supervision of a staff member who has expertise in the area of study chosen by the student.
Notes:
Fall or Winter

ANSC 458
Credit Weight: 3
Transcript Title: Swine and Poultry Production
Calendar Title: Swine and Poultry Production.
Description:
Application and integration of biological principles of genetics, physiology, anatomy, nutrition, and health of poultry and swine production systems in Canada. Major factors and practices affecting productivity at the different stages of swine and poultry production. Field trips to farms and related enterprises.
Notes:
Prerequisite: ANSC 250, or permission of the instructor
Restrictions: Open to U2 students or higher.

ANSC 490
Credit Weight: 3
Transcript Title: Project
Calendar Title: Project.
Description:
A project to be completed under the supervision of a staff member of the
Department of Animal Science. An agreement between student and the involved staff member must be reached prior to registration.

Notes:

Fall or Winter

Administrating Faculty: Faculty of Agric Environ Sci

Teaching Department: Animal Science

Status (catalog level): Active

**ANSC 530**

Credit Weight: 3

Transcript Title: Exper Techniques in Nutrition

Calendar Title: Experimental Techniques in Nutrition.

Description:

Design and conduction of animal studies, selection of experimental animals, chemical and biological assays, statistical analysis, interpretation of data and preparation of technical reports.

Notes:

Fall

1 lecture, 1 lab

Restriction: Not open to students who have taken ANSC 630.

Administrating Faculty: Faculty of Agric Environ Sci

Teaching Department: Animal Science

Status (catalog level): Active

**ANSC 551**

Credit Weight: 3

Transcript Title: Carbohydrate&Lipid Metabolism

Calendar Title: Carbohydrate and Lipid Metabolism.

Description:

Comparative aspects of nutrition and metabolism of carbohydrate and lipid from the cellular level through the multi-organ of the whole organism. Main topics will include biothermodynamics, calorimetry, cellular metabolism and functions of carbohydrate and lipid, digestion, absorption and utilization of dietary carbohydrate and lipid.

Symbols: ALTY - Taught in alternate years

Notes:

Winter

3 lectures

Prerequisite: ANSC 234 or permission of instructor

Administrating Faculty: Faculty of Agric Environ Sci

Teaching Department: Animal Science

Status (catalog level): Active

**ANSC 552**

Credit Weight: 3

Transcript Title: Protein Metabolism&Nutrition

Calendar Title: Protein Metabolism and Nutrition.

Description:

Comparative aspects of nutrition and metabolism of amino acids and proteins from the cellular level on through the multisystem operation of the whole organism. Main topics include cellular metabolism and functions of amino acids and proteins, digestion, absorption and utilization of dietary protein. Comparison between farm animals and humans.

Symbols: ALTY - Taught in alternate years

Notes:

Fall

3 lectures
Prerequisite: ANSC 234 or permission of instructor

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 555
Credit Weight: 3
Transcript Title: The Use and Welfare of Animals
Calendar Title: The Use and Welfare of Animals.
Description:
Understanding the roles in which animals are used by Society, especially in food production, companionship, research, and recreation; application of the scientific approaches that are used in assessing and improving animal welfare; and use of ethical approaches that are invoked in the use of animals, often in controversial contexts. An interdisciplinary course, based on active participation and discussion-method learning.
Notes:
Prerequisites: ANSC 250 or PSYC 301 or WILD 421 or Permission of Instructor
Restriction: U3 and graduate students or permission of the instructor

An interdisciplinarity approach to the study of mammary development, the onset of lactation and its cessation, comparing the differences in mammalian species in mammary development from embryological, pre- and post-pubertal and pre- and post-partum aspects. Lactation at the cellular and biochemical levels.
Notes:

ANSC 565
Credit Weight: 3
Transcript Title: Applied Information Systems
Calendar Title: Applied Information Systems.
Description:
Introduction to concepts of an Information System and subsequent application to various scenarios in agriculture. Industry analysis in terms of users, goals, available data/information, communication, delivery structure, decision making, feedback, exploitation of technology and possible improvements using the Internet. Individual case studies and familiarisation with cutting-edge computer applications.
Notes:
Winter
3 lectures and one 2-hour lab

ANSC 600
Credit Weight: 3
Transcript Title: Adv Eukaryotic Cells & Viruses
Calendar Title: Advanced Eukaryotic Cells and Viruses.
Description:
Underlying molecular basis for various methodologies in molecular biology, including the genetic basis for viral infections and tumorigenesis, and the use of molecular genetic approaches to address biological problems.
Notes:
Winter
Prerequisite: Permission of instructor
Restriction: Not open to students who have taken ANSC 400.
Administering Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 604
Credit Weight: 3
Transcript Title: Advanced Animal Biotechnology
Calendar Title: Advanced Animal Biotechnology.
Description:
New concepts and applications of animal biotechnology in agriculture, biomedicine, environmental preservation.
Notes:
Fall
Restriction: Not open to students who have taken ANSC 420 or ANSC 506
Administering Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 606
Credit Weight: 3
Transcript Title: Selection Index&Animal Imprvmt
Calendar Title: Selection Index and Animal Improvement.
Description:
Selection index principles and their application to livestock improvement are considered, with emphasis on the estimation of genetic breeding values for single and multi-trait selection.
Notes:
3 lectures
Administering Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 608
Credit Weight: 3
Transcript Title: Population Genetics
Calendar Title: Population Genetics.
Description:
Theoretical considerations of Mendelian genetics dealing with the genetic properties of animal populations and extension to the simultaneous segregation of genes at many loci, polygenic inheritance and an introduction to quantitative genetics and covariances between relatives, including mechanisms of transmission, segregation, linkages between genes and the effects of natural and artificial selection.
Notes:
Fall
3 lectures
Restrictions: Not open to students who have taken ANSC 504.
Not open to students who have taken ANSC 326
Administering Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 611
Credit Weight: 3
Transcript Title: Advanced Reproductive Biology
Calendar Title: Advanced Reproductive Biology.
Description:
An introduction to key concepts in reproductive biology and principles of emerging reproductive technologies. Modules covered include oogenesis and folliculogenesis, fertilization, embryo development, reproductive biotechnology and new directions in reproductive biology.
Notes:
Prerequisite: No prerequisites, but students need to have a solid background in reproductive physiology.
Note: Course offered in alternate years.
Administering Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 611D1
Credit Weight: 1.5
Transcript Title: Advanced Reproductive Biology
Calendar Title: Advanced Reproductive Biology.
Description:
An introduction to key concepts in reproductive biology and principles of emerging reproductive technologies. Modules covered include oogenesis and folliculogenesis, fertilization, embryo development, reproductive biotechnology and new directions in reproductive biology.
Notes:
No prerequisites, but students need to have a solid background in reproductive physiology.
Note: Course offered in alternate years.
Students must register for both ANSC 611D1 and ANSC 611D2.
No credit will be given for this course unless both ANSC 611D1 and ANSC 611D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 611D2
Credit Weight: 1.5
Transcript Title: Advanced Reproductive Biology
Calendar Title: Advanced Reproductive Biology.
Description:
An introduction to key concepts in reproductive biology and principles of emerging reproductive technologies. Modules covered include oogenesis and folliculogenesis, fertilization, embryo development, reproductive biotechnology and new directions in reproductive biology.
Notes:
No prerequisites, but students need to have a solid background in reproductive physiology.
Note: Course offered in alternate years.
Prerequisite: ANSC 611D1.
No credit will be given for this course unless both ANSC 611D1 and ANSC 611D2 are successfully completed in consecutive terms.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

### ANSC 622

**Credit Weight:** 3

**Transcript Title:** Exper Techniques in Animal Sci

**Calendar Title:** Experimental Techniques in Animal Science.

**Description:**
Practical exposure to three research groups in the Department of Animal Science (choices determined by interest of the student, availability of research in a given lab at that time, and in consultation with the student’s assigned supervisor); emphasis on lab goals, etiquette, and techniques, as observed by shadowing research group members (staff, post-doctoral fellows, PhD students); journal of each rotation as well as background research into current experimental procedures. Disciplines available: Reproductive Biotechnology; Animal Disease; Ruminant Nutrition; Epigenetics; Dairy Information Systems; Big Data Analyses; Animal Breeding; Dairy Cattle Welfare; Food Safety.

**Notes:**
1 lecture and 2 seminars
Restriction(s): Permission of Supervisor in consultation with three available rotation researchers.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

### ANSC 636

**Credit Weight:** 3

**Transcript Title:** Anal.-Animal Breeding Res.Data

**Calendar Title:** Analysis - Animal Breeding Research Data.

**Description:**
An advanced graduate course to give training and experience in statistical techniques applied to quantitative genetics and animal breeding. To consider aspects of data handling of large data sets (100,000 observations), checks for consistency and connectedness in data. Considerations in choosing efficient analytical procedures in fitting these models and development of efficient numerical algorithms to apply these procedures.

**Symbols:** ALTY - Taught in alternate years

**Notes:**
3 lectures

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

### ANSC 637

**Credit Weight:** 3

**Transcript Title:** Livestock Breeding Systems

**Calendar Title:** Livestock Breeding Systems.

**Description:**
The design and implementation of animal genetic improvement and selection programs. This course looks at aspects of data recording and how breed improvement can be carried out. Different species and livestock sectors will be examined:
dairy cattle, beef cattle, swine, sheep and goats, and to a lesser degree poultry. Differences among systems will be highlighted, as a function of the structure of the particular species-industry and how genetic improvement has evolved, both within Canada and elsewhere.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 643**

**Credit Weight:** 3  
**Transcript Title:** Project 1  
**Calendar Title:** Project 1.  
**Description:**  
Review of the literature and design of the project. This project relates to the M.Sc. Applied (non-thesis) degree.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 644**

**Credit Weight:** 3  
**Transcript Title:** Project 2  
**Calendar Title:** Project 2.  
**Description:**  
Continuation of the review of the literature and design of project. This project relates to the M.Sc. Applied (non-thesis) degree.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 645**

**Credit Weight:** 3  
**Transcript Title:** Project 3  
**Calendar Title:** Project 3.  
**Description:**  
Execution and write-up of project. This project relates to the M.Sc. Applied (non-thesis) degree.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 646**

**Credit Weight:** 3  
**Transcript Title:** Project 4  
**Calendar Title:** Project 4.  
**Description:**  
Continuation of write-up and submission of project. This project relates to the M.Sc. Applied (non-thesis) degree.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 647**

**Credit Weight:** 3  
**Transcript Title:** Project 5  
**Calendar Title:** Project 5.  
**Description:**
Seminar and project presentations. This oral presentation of the project relates to the M.Sc. Applied (non-thesis) degree.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Animal Science  
**Status (catalog level):** Active

**ANSC 680**  
**Credit Weight:** 9  
**Transcript Title:** M.Sc. Thesis 1  
**Calendar Title:** M.Sc. Thesis 1.  
**Description:** Independent research under the direction of a supervisor toward completion of M.Sc. thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Animal Science  
**Status (catalog level):** Active

**ANSC 681**  
**Credit Weight:** 9  
**Transcript Title:** M.Sc. Thesis 2  
**Calendar Title:** M.Sc. Thesis 2.  
**Description:** Independent research under the direction of a supervisor toward completion of M.Sc. thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Animal Science  
**Status (catalog level):** Active

**ANSC 682**  
**Credit Weight:** 9  
**Transcript Title:** M.Sc. Thesis 3  
**Calendar Title:** M.Sc. Thesis 3.  
**Description:** Independent research under the direction of a supervisor toward completion of M.Sc. thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Animal Science  
**Status (catalog level):** Active

**ANSC 683**  
**Credit Weight:** 9  
**Transcript Title:** M.Sc. Thesis 4  
**Calendar Title:** M.Sc. Thesis 4.  
**Description:** Final submission and approval of M.Sc. thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Animal Science  
**Status (catalog level):** Active

**ANSC 691**  
**Credit Weight:** 3  
**Transcript Title:** Special Topic: Animal Sciences  
**Calendar Title:** Special Topic: Animal Sciences.  
**Description:** Prescribed reading, conference or practical work on a selected topic in the student's area of specialization, not otherwise available in other courses; under
An approved course outline must be on file in the Departmental office prior to registration deadline.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 692**

**Credit Weight:** 3

**Transcript Title:** Topic in Animal Sciences 1

**Calendar Title:** Topic in Animal Sciences 1.

**Description:**
Prescribed reading, conference or practical work on a selected topic in the student's area of specialization, not otherwise available in other courses; under staff supervision. An approved course outline must be on file in the Departmental office prior to registration deadline.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 695**

**Credit Weight:** 1

**Transcript Title:** MSc General Topic Seminar

**Calendar Title:** MSc General Topic Seminar.

**Description:**
One of three seminars given by all students in the Animal Science M.Sc. (Thesis) program. Presentation of a scientific topic other than the student's specific area of research. In consultation with the thesis supervisor

**Notes:**
1 hour

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 696**

**Credit Weight:** 1

**Transcript Title:** MSc Research Proposal Seminar

**Calendar Title:** MSc Research Proposal Seminar.

**Description:**
One of three seminars given by all students in the Animal Science M.Sc. (Thesis) program. Consists of a literature review and an experimental approach for the student's proposed area of research.

**Notes:**
1 hour

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science

**Status (catalog level):** Active

**ANSC 697**

**Credit Weight:** 1

**Transcript Title:** MSc Research Results Seminar

**Calendar Title:** MSc Research Results Seminar.

**Description:**
One of three seminars given by all students in the Animal Science M.Sc. (Thesis) program. Consists of the student's summary of research and presentation of results. Should be presented before submission of thesis.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Animal Science
Status (catalog level): Active

ANSC 701
Credit Weight: 0
Transcript Title: Doctoral Comprehensive Exam
Calendar Title: Doctoral Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
See Faculty Regulations
Administrating Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 797
Credit Weight: 1
Transcript Title: Animal Science Seminar 3
Calendar Title: Animal Science Seminar 3.
Description:
One of two seminars to be given by all students in a Ph.D. program. Review of literature in relation to the student's proposed research and an experimental design of the research to be conducted.
Notes:
1 hour
Administrating Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active

ANSC 798
Credit Weight: 1
Transcript Title: Animal Science Seminar 4
Calendar Title: Animal Science Seminar 4.
Description:
One of two seminars to be given by all students in a Ph.D. program. Presentation of a current scientific topic which is not related to the student's research. The topic for the presentation should be cleared by the thesis supervisor.
Notes:
1 hour
Administrating Faculty: Graduate Studies
Teaching Department: Animal Science
Status (catalog level): Active
ANTH 201
Credit Weight: 3
Transcript Title: Introduction to Archaeology
Calendar Title: Introduction to Archaeology.
Description:
Exploration of the definition of the discipline of archaeology and the ways that archaeologists reconstruct the past. Overview of goals, theories, research questions, and methods of anthropological archaeology.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 202
Credit Weight: 3
Transcript Title: Socio-Cultural Anthropology
Calendar Title: Socio-Cultural Anthropology.
Description:
An introduction to ways of understanding what it means to be human from the perspective of socio-cultural anthropology. Students will be introduced to diverse approaches to this question through engagement with a wide range of ethnographic cases.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 203
Credit Weight: 3
Transcript Title: Human Evolution
Calendar Title: Human Evolution.
Description:
An examination of evolutionary theory and the fossil and archaeological record for human origins, emphasizing the interaction between physical and cultural evolution. The use of primate behaviour in reconstructing early human behaviour. The origin and meaning of human variation.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 204
Credit Weight: 3
Transcript Title: Anthropology of Meaning
Calendar Title: Anthropology of Meaning.
Description:
Through the analysis of language, symbols and cultural constructions of meaning, this course explores how people in different societies make sense of their world, and the ways in which they organise that knowledge, and how ideologies represent the different interests present in a society.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 206
Credit Weight: 3
Transcript Title: Environment and Culture
Calendar Title: Environment and Culture.
Description: Introduction to ecological anthropology, focusing on social and cultural adaptations to different environments, human impact on the environment, cultural constructions of the environment, management of common resources, and conflict over the use of resources.
Notes: Fall
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 207
Credit Weight: 3
Transcript Title: Ethnography Through Film
Calendar Title: Ethnography Through Film.
Description: This course will investigate and discuss cultural systems, patterns, and differences, and the ways in which they are observed, visually represented, and communicated by anthropologists using film and video. The visual representation of cultures will be critically evaluated by asking questions about perspective, authenticity, ethnographic authority and ethics.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 208
Credit Weight: 3
Transcript Title: Evolutionary Anthropology
Calendar Title: Evolutionary Anthropology.
Description: The basic elements and mechanisms of evolutionary theory; the place of evolutionary theory in anthropology, including social anthropology, archaeology, physical anthropology and anthropological linguistics. Emphasis on the debates in each sub-discipline in which evolutionary theory has played an important role.
Notes: Winter
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 209
Credit Weight: 3
Transcript Title: Anthropology of Religion
Calendar Title: Anthropology of Religion.
Notes:
Winter

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

### ANTH 210

**Credit Weight:** 3

**Transcript Title:** Archaeology of Early Cities

**Calendar Title:** Archaeology of Early Cities

**Description:**
An introduction to the archaeology of early cities. Case studies include the cities of "great civilizations" (e.g. Egypt, Indus Valley, Inkan Empire), as well as the urban landscapes of lesser known societies, such as Great Zimbabwe in sub-Saharan Africa.

**Notes:**

Winter

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

### ANTH 212

**Credit Weight:** 3

**Transcript Title:** Anthropology of Development

**Calendar Title:** Anthropology of Development

**Description:**
Processes of developmental change, as they affect small communities in the Third World and in unindustrialized parts of developed countries. Problems of technological change, political integration, population growth, industrialization, urban growth, social services, infrastructure and economic dependency.

**Notes:**

Winter

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

### ANTH 213

**Credit Weight:** 3

**Transcript Title:** Archaeology of Health & Disease

**Calendar Title:** Archaeology of Health and Disease

**Description:**
Introduces theories and methods used to identify and interpret human health in the archaeological record. Focus on health impacts of factors such as infectious disease, nutrition, and social and technological changes.

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

### ANTH 214

**Credit Weight:** 3

**Transcript Title:** Violence, Warfare, Culture

**Calendar Title:** Violence, Warfare, Culture

**Description:**
Cultural diversity and comparative perspectives on violence and warfare; sociological, political, materialist, psychological, and ideological explanations of conflict. Examines historical and contemporary cases of warfare in state and pre-state societies; 'ethnic', civil, nationalist secessionist and genocidal forms
of conflicts; processes of conflict avoidance and resolution, peace-making and
-keeping.

Notes:

Fall

Administering Faculty: Faculty of Arts

Teaching Department: Anthropology

Status (catalog level): Active

ANTH 222

Credit Weight: 3

Transcript Title: Legal Anthropology

Calendar Title: Legal Anthropology.

Description:

Exploration of dispute resolutions and means of social cohesion in various
societies of the world. Themes: dichotomy between law and custom, local
definitions of justice and rights, forms of conflict resolution, access to
justice, gender and law, universality of human rights, legal pluralism.

Notes:

Winter

Administering Faculty: Faculty of Arts

Teaching Department: Anthropology

Status (catalog level): Active

ANTH 227

Credit Weight: 3

Transcript Title: Medical Anthropology

Calendar Title: Medical Anthropology.

Description:

Beliefs and practices concerning sickness and healing are examined in a variety of
Western and non-Western settings. Special attention is given to cultural
constructions of the body and to theories of disease causation and healing
efficacy. Topics include international health, medical pluralism, transcultural
psychiatry, and demography.

Notes:

Fall

Administering Faculty: Faculty of Arts

Teaching Department: Anthropology

Status (catalog level): Active

ANTH 302

Credit Weight: 3

Transcript Title: New Horizons in Medical Anth.

Calendar Title: New Horizons in Medical Anthropology.

Description:

Using recent ethnographies as textual material, this course will cover theoretical
and methodological developments in medical anthropology since the early 1990's.
Topics include a reconsideration of the relationship between culture and biology,
medical pluralism revisited, globalization and health and disease, and social
implications of new biomedical technologies.

Notes:

Winter

Prerequisite: ANTH 227

Restriction: Anthropology program students.

Administering Faculty: Faculty of Arts

Teaching Department: Anthropology

Status (catalog level): Active
ANTH 303

Credit Weight: 3
Transcript Title: Ethnogr. of Post-socialism
Calendar Title: Ethnographies of Post-socialism.
Description:
Understanding postsocialism through engagement with ethnography that explores how markets interact with political rule, social forms, and the production of cultural values across different geographies and histories. This course focuses primarily on the former Soviet Union, East Germany, and China.
Notes:
Winter
Prerequisites: ANTH 202 and one other 200-level anthropology course, U2 standing or above, or permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 304

Credit Weight: 3
Transcript Title: Chinese Cult in Ethnogr & Film
Calendar Title: Chinese Culture in Ethnography and Film.
Description:
Uses both ethnography and film to examine 20th century Chinese society and popular culture in the context of the revolution and its aftermath.
Notes:
Fall
Prerequisites: ANTH 202 or ANTH 204 or ANTH 209 and another 200-level anthropology course, U2 standing or above, or permission of the instructor.
Restriction: U2 standing or above.
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 307

Credit Weight: 3
Transcript Title: Andean Prehistory
Calendar Title: Andean Prehistory.
Description:
Questions related to social inequality, ritual practice, monumental space, and urban landscapes within the context of the Pre-Columbian Andes and sections on the Inkas, as well as earlier groups, such as the Nazca, Wari, Moche, Tiwanaku, and Chimu.
Notes:
Fall
Prerequisites: ANTH 201 or ANTH 210
Restriction: Students must be U2 or U3 standing.
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 308

Credit Weight: 3
Transcript Title: Political Anthropology 01
Calendar Title: Political Anthropology 01.
Description:
The study of political systems and political processes. Conflict and its resolution. The emphasis of the course will be on local-level politics and non-industrial societies.

Notes:
Fall
Prerequisite: ANTH 202, or ANTH 205, or ANTH 206, or ANTH 212, or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 311
Credit Weight: 3
Transcript Title: Primate Behaviour and Ecology
Calendar Title: Primate Behaviour and Ecology.
Description:
Critical evaluation of theories concerning primate behaviour with emphasis on the importance of ecological factors in framing behaviour, including mating behaviour, parent care, social structures, communication, as well as various forms of social interaction such as dominance, territoriality and aggressive expression.

Notes:
Fall
Prerequisite: Any 200 level course in a social or biological science.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 312
Credit Weight: 3
Transcript Title: Zooarchaeology
Calendar Title: Zooarchaeology.
Description:
A systematic investigation into current methodological and theoretical concerns in archaeological faunal analysis. Topics to be examined include sampling and quantification, butchery, seasonality, subsistence, taphonomy, and paleoecology.

Notes:
Winter
Prerequisites: ANTH 201 and Honours/Major status in Anthropology

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 314
Credit Weight: 3
Transcript Title: Psychological Anthropology 01
Calendar Title: Psychological Anthropology 01.
Description:
A survey of current theories and methods employed in psychological anthropology. Some areas considered are: cross-cultural studies of socialization and personality development; cultural factors in mental illness; individual adaptations to rapid socio-cultural change.

Notes:
Fall
Prerequisite: Any Anthropology course
Restriction: Not open to students who have taken ANTH 214

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 315
Credit Weight: 3
Transcript Title: Society/Culture: East Africa
Calendar Title: Society/Culture: East Africa.
Description:
Overview of the history, languages and cultures of the region. Examination of the social institutions, cultural patterns, subsistence practices and environmental settings of major social groups, including hunter-foragers, fishers, pastoralists, agro-pastoralists, and cultivators. Discussion of current theoretical and ethnological issues in the study of culture and social change.
Notes:
Winter
Restriction: Open only to students in the Study in Africa program, a full-term field study program in East Africa
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 318
Credit Weight: 3
Transcript Title: Globalization and Religion
Calendar Title: Globalization and Religion.
Description:
The interactions between religion and the economic, social and cultural transformations of globalization: relations between globalization and contemporary religious practice, meaning, and influence at personal and collective levels.
Notes:
Winter
Prerequisites: U2 standing or above and ANTH 209, or ANTH 204, or ANTH 355 or ANTH 352 or RELG 207
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 319
Credit Weight: 3
Transcript Title: Inka Arch. & Ethnohistory
Calendar Title: Inka Archaeology and Ethnohistory.
Description:
In-depth study of material and symbolic manifestations of power and identity in the Pre-Columbian Inka state, drawing on both archaeological and ethnohistoric sources.
Notes:
Fall
Prerequisite: ANTH 201 or ANTH 202 or HISP 225 or permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 322
Credit Weight: 3
Transcript Title: Social Change in Modern Africa
**Calendar Title:** Social Change in Modern Africa.

**Description:**
The impact of colonialism on African societies; changing families, religion, arts; political and economic transformation; migration, urbanization, new social categories; social stratification; the social setting of independence and neo-colonialism; continuity, stagnation, and progressive change.

**Notes:**
Fall
Prerequisite: ANTH 202, or ANTH 204, or ANTH 205, or ANTH 206, or ANTH 209, or ANTH 212, or ANTH 227 or permission of instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 325**

**Credit Weight:** 3

**Transcript Title:** Anthropology of the Self

**Calendar Title:** Anthropology of the Self.

**Description:**
A review of the anthropological problematization of the self. The course examines ethnographically how illness, mental illness, pharmaceuticals, psychoanalysis, possession, death, violence and colonization disrupt our commonsense notions of the self and its relation to the other.

**Notes:**
Prerequisite: ANTH 202 or ANTH 227

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 326**

**Credit Weight:** 3

**Transcript Title:** Anthropology of Latin America

**Calendar Title:** Anthropology of Latin America.

**Description:**
Central themes in the anthropology of Latin America, including colonialism, religiosity, sexuality and gender, indigeneity, social movements, and transnationalism.

**Notes:**
Fall
Prerequisite: ANTH 202 or 204 or 205 or 206 or 212 or permission of instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 327**

**Credit Weight:** 3

**Transcript Title:** Anthropology of South Asia

**Calendar Title:** Anthropology of South Asia.

**Description:**
An introduction to anthropological research in India and greater South Asia. Topics include politics, caste, class, religion, gender and sexuality, development and globalization.

**Notes:**
Fall
Prerequisite: ANTH 202, or ANTH 205, or ANTH 206, or ANTH 209, or permission of instructor
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Anthropology  
**Status (catalog level):** Active

**ANTH 330**  
**Credit Weight:** 3  
**Transcript Title:** Traditional Whaling Societies  
**Calendar Title:** Traditional Whaling Societies.  
**Description:** The investigation of similarities and diversity of prehistoric and historic small-scale whaling societies. Examples will be drawn from throughout the world, including, but not limited to, East Asia, Northwest Coast, Arctic, North Atlantic and Northern Europe societies.  
**Notes:** Winter  
Prerequisite: ANTH 201 or ANTH 202 or ANTH 203 or permission of instructor  
Restriction: Restricted to Anthropology Honours, Major and Minor Program students

**ANTH 331**  
**Credit Weight:** 3  
**Transcript Title:** Prehistory of East Asia  
**Calendar Title:** Prehistory of East Asia.  
**Description:** Comparative study of prehistoric hunting and gathering cultures in China, Japan, Korea, Mongolia and Eastern Siberia; origins and dispersal of food production; cultural processes leading to the rise of literate civilizations in certain regions of East Asia.  
**Notes:** Fall  
Prerequisite: ANTH 201 or permission of instructor

**ANTH 332**  
**Credit Weight:** 3  
**Transcript Title:** Mesoamerican Archaeology  
**Calendar Title:** Mesoamerican Archaeology.  
**Description:** Central themes in the archaeological study of ancient and colonial Mesoamerica, such as social identity, political economy, and cosmogony; peoples covered will include the Aztecs, Maya, Olmecs, Teotihuacanos, and others.  
**Notes:**  
**ANTH 338**  
**Credit Weight:** 3  
**Transcript Title:** Indigenous Studies of Anthro  
**Calendar Title:** Indigenous Studies of Anthropology.  
**Description:** Introduction to Native American and Indigenous studies (NAIS) as a means of
critically engaging with the discipline of anthropology.

Notes:
Winter
Prerequisite: ANTH 202, or ANTH 204, or ANTH 206, or ANTH 209, or ANTH 212, or permission of the instructor.

 Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 339
Credit Weight: 3
Transcript Title: Ecological Anthropology
Calendar Title: Ecological Anthropology.
Description:
Intensive study of theories and cases in ecological anthropology. Theories are examined and tested through comparative case-study analysis. Cultural constructions of "nature" and "environment" are compared and analyzed. Systems of resource management and conflicts over the use of resources are studied in depth.

Notes:
Winter
Prerequisite: ANTH 204, or ANTH 206, or SOCI 328, or GEOG 300 or ENVR 201, or ENVR 203, or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 343
Credit Weight: 3
Transcript Title: Anthropology and the Animal
Calendar Title: Anthropology and the Animal.
Description:
This course explores through the ethnographic study of human-animal relations how the question of "the animal" helps us examine our central assumptions about what it means to be human.

Notes:
Prerequisite: One ANTH 200 level course or consent of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 344
Credit Weight: 3
Transcript Title: Quant. Approaches to Anth.
Calendar Title: Quantitative Approaches to Anthropology.
Description:
A non-statistics course designed to understand and critically evaluate quantitatively based arguments encountered in the literature of all branches of Anthropology.

Notes:
Fall
Prerequisite: ANTH 201 or ANTH 202 or ANTH 205 or permission of instructor.
Restriction: Limited to students in Anthropology programs.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 352
Credit Weight: 3
Transcript Title: Hist of Anthropological Theory
Calendar Title: History of Anthropological Theory.
Description: Exploration in the history of anthropological theory; schools, controversies, intellectual history, sociology of knowledge.
Notes: Fall
Prerequisites: one 200-level anthropology course and one other anthropology course at any level
Restriction: Honours, Joint Honours, Major and Minor students in Anthropology, U2 standing or above
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 355
Credit Weight: 3
Transcript Title: Theories of Culture & Society
Calendar Title: Theories of Culture and Society.
Description: Contributions to contemporary anthropological theory; theoretical paradigms and debates; forms of anthropological explanation; the role of theory in the practice of anthropology; concepts of society, culture and structure; cultural evolution and relativity; interpretive anthropology, post-modernism.
Notes: Winter
Prerequisites: one 200-level anthropology course and one other anthropology course at any level
Restriction: Honours, Joint Honours, Major and Minor students in Anthropology, U2 standing or above
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 357
Credit Weight: 3
Transcript Title: Archaeological Methods
Calendar Title: Archaeological Methods.
Description: The collection of materials in field investigations and their analysis to yield cultural information. The processes of inference and reconstruction in archaeological interpretation.
Notes: Fall
Prerequisites: ANTH 201 and one other course in archaeology
Restrictions: Honours, Joint Honours and Major students in Anthropology, U2 standing or above
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 358
Credit Weight: 3
Transcript Title: The Process of Anthro Research
Calendar Title: The Process of Anthropological Research.
Description:
The nature of anthropological research as evidenced in monographs and articles; processes of concept formation and interpretation of data; the problem of objectivity.

Notes:
Fall
Prerequisites: one 200-level anthropology course and one other anthropology course at any level
Restrictions: Honours, Joint Honours, Major and Minor students in Anthropology, U2 standing or above

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 359
Credit Weight: 3
Transcript Title: Hist of Archaeological Theory
Calendar Title: History of Archaeological Theory.
Description:
A systematic investigation of the theories that have guided the interpretation of prehistoric archaeological data since the Middle Ages; the relationship between these theories and theoretical developments in the other social sciences.

Notes:
Winter
Prerequisites: ANTH 201 or ANTH 203 or ANTH 210.
Restriction(s): Students must be U2 or U3 standing.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 360
Credit Weight: 3
Transcript Title: Archaeology of Ancient China
Calendar Title: Archaeology of Ancient China.
Description:
Survey of Chinese archaeology from the Paleolithic to the dynastic era. A broad range of evidence (e.g. tombs, settlements, landscapes, architecture, artifacts, early texts) will be examined to explore the development and nature of social complexity and interaction in ancient China.

Notes:
Restrictions: U2 or U3 students only or permission of instructor. Not open to students who have taken or are taking EAST 360.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 361
Credit Weight: 3
Transcript Title: Archaeology of South Asia
Calendar Title: Archaeology of South Asia.
Description:
This course explores the archaeology of South Asia from prehistoric through early historic times focusing on the region covered by India, Pakistan, Bangladesh, Nepal and Sri Lanka. We will investigate the shifting materiality of social landscapes, political, ritual and ecological practices. The course interrogates a number of anthropological themes including human evolution, social organization,
food production, craft production, trade and exchange, the transition(s) to urbanism, the development of socio-political inequalities and institutions, regional and supra-regional polities and religious traditions. We will address some of the historiographical and epistemological problems with using archaeological data to produce narratives of South Asia’s past.

Notes:
Prerequisite(s): ANTH 201 or ANTH 210.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 365
Credit Weight: 3
Transcript Title: Anth of Forced Migrat&Displ
Calendar Title: Anthropology of Forced Migration and Displacement.
Description:
How does anthropology study those defined as exceptions within the political order of citizenship? Refugees, migrants, and asylum seekers challenge this order at its core. We engage anthropologists, political theorists, and legal scholars who explore the political implications of such others, as well as the theoretical and practical implications of the terms themselves. Readings trace the theoretical evolution of the refugee from state threat and abject other in need of containment and care to agent of political change, ranging from studies of citizenship and exclusion, humanitarianism and the biopolitics of refugee management, to experience-near ethnographies of forced migration and exile.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 370
Credit Weight: 3
Transcript Title: Anthropology and the Image
Calendar Title: Anthropology and the Image.
Description:
An introduction to the role of the image in everyday life as it is revealed ethnographically. Topics will include the role of the image in thinking, dreaming, knowing, feeling and acting. An investigation of the way images, of one sort or another, constitute the material out of which much anthropological analysis is built.

Notes:
Restriction: Not open to students who have taken ANTH 380 when topic was Anthropology and the Image.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 380
Credit Weight: 3
Transcript Title: Special Topic 1
Calendar Title: Special Topic 1.
Description:
Supervised reading in special topics under the direction of a member of the staff.

Notes:
Fall and/or Winter terms.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active
ANTH 381
Credit Weight: 3
Transcript Title: Special Topic 2
Calendar Title: Special Topic 2.
Description:
Supervised reading in special topics under the direction of a member of the staff.
Notes:
Fall and/or Winter terms.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 385
Credit Weight: 3
Transcript Title: Sex, Science and Culture
Calendar Title: Sex, Science and Culture.
Description:
Interdisciplinary introduction to the study of human sexuality, scientific theories of sexuality and historical and cultural contexts of sexual acts, desires, relations and identities. Topics include: legacies of sexology, eugenics, sexuality and identity, sex in nature, gender and colonialism, sexual-economic exchange, marriage, monogamy.
Notes:
Prerequisites: ANTH 202 or ANTH 227 or permission of the instructor
Restrictions: Not open to students who have taken ANTH 380 in either Fall 2020 or Winter 2022 term.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 399
Credit Weight: 3
Transcript Title: Archaeology of Japan and Korea
Calendar Title: Archaeology of Japan and Korea.
Description:
Survey of Japanese and Korean archaeology from the Paleolithic through the Nara and Silla periods. A broad range of evidence (eg. Tombs, settlements, landscapes, architecture, artifacts, early texts) will be examined to explore the development and nature of social complexity in each region; interaction between regions, and with China.
Notes:
Prerequisite: One 200-level East Asian Studies or Anthropology course or permission of the instructor.
Restriction: Not open to students who have taken or are taking EAST 399.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 401
Credit Weight: 3
Transcript Title: Comparative Anthropology
Calendar Title: Comparative Anthropology.
Description:
Past use of comparative anthropology and potential future use.
Notes:
Fall
Prerequisite: Two 300-level anthropology courses or permission of instructor
Restriction: U3 students in Anthropology
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 402
Credit Weight: 3
Transcript Title: Topics in Ethnography
Calendar Title: Topics in Ethnography.
Description:
An exploration of selected ethnographic case material. Investigation of a regional
literature or survey of significant contributions to ethnography or examination of
an ethnological issue.
Notes:
Fall
Restriction: U3 students in Anthropology or permission of instructor
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 403
Credit Weight: 3
Transcript Title: Current Issues in Archaeology
Calendar Title: Current Issues in Archaeology.
Description:
Current issues in archaeological interpretation, in particular, those relating to
processual and postprocessual archaeology.
Notes:
Winter
Prerequisite: ANTH 357 or preferably ANTH 359, or permission of instructor
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 406
Credit Weight: 3
Transcript Title: Great Debates in Ethnography
Calendar Title: Great Debates in Ethnography.
Description:
An examination of major ethnographic debates, such as those about Samoa, the
Kalahari, and Amazonia.
Notes:
Winter
Restriction: U3 students in Anthropology or permission of instructor
Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 407
Credit Weight: 3
Transcript Title: Anthropology of the Body
Calendar Title: Anthropology of the Body.
Description:
This course will survey theoretical approaches used over the past 100 years, and
then focus on contemporary debates using case studies. The nature/culture mind/body, subject/object, self/other dichotomies central to most work of the body will be problematized.

Notes:
Winter
Prerequisites: ANTH 227 and (1) 300-level anthropology course, and Honours/Major/Minor status in Anthropology or Social Studies of Medicine, or permission of instructor.
Restriction: U3 status or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 408
Credit Weight: 3
Transcript Title: Sensory Ethnography
Calendar Title: Sensory Ethnography.
Description:
Anthropology of the senses through the study of ethnographic film, photography and sound. Topics include: the role of senses and emotion in the production of knowledge, non-word based ways of knowing, and the relation between image and text in anthropology.
Notes:
Prerequisite: U3 students in Anthropology or permission of instructor

ANTH 410
Credit Weight: 3
Transcript Title: Great Debates in Anth Theory
Calendar Title: Great Debates in Anthropological Theory.
Description:
Exploration of several major debates in anthropological theory, such as science vs. postmodernism, postcolonial theory and its critics, and academic knowledge vs. advocacy and activism.
Notes:
Prerequisite: ANTH 352 or ANTH 355, or permission of the instructor
Restriction: U3 Anthropology Honours, Major, or Minor, or permission of the instructor

ANTH 411
Credit Weight: 3
Transcript Title: Primate Studies & Conservation
Calendar Title: Primate Studies and Conservation.
Description:
Critical evaluation of theories in primate behaviour, ecology, and conservation that emphasizes direct observations, research design, and developing field methods.
Notes:
Winter
Prerequisite: One course in Anthropology, Geography or Environmental Studies, Introductory Biology, or permission of the instructor.
Restriction: Students must have completed at least two full semesters at their
home university. Only open to students in the Canadian Field Studies in Africa program.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Anthropology  
**Status (catalog level):** Active  

**ANTH 412**  
**Credit Weight:** 3  
**Transcript Title:** Topics: Anthropological Theory  
**Calendar Title:** Topics: Anthropological Theory.  
**Description:** A concentrated examination of selected theoretical literature. A current theoretical issue will be examined, or the work of a major anthropological theorist or school will be explored and assessed.  
**Notes:** Winter  
Restriction: U3 students in Anthropology and ANTH 355 or permission of instructor  

**ANTH 413**  
**Credit Weight:** 3  
**Transcript Title:** Gender in Archaeology  
**Calendar Title:** Gender in Archaeology.  
**Description:** Relationship between the structure of the archaeological discipline and construction of gender roles in past human societies; division of tasks between men and women in subsistence activities, organization of the household and kin groups; and creation of power and prestige in a larger community.  
**Notes:** Fall  
Prerequisite: ANTH 201 or ANTH 331 or ANTH 345 or ANTH 347 or ANTH 348 or permission of instructor  

**ANTH 416**  
**Credit Weight:** 3  
**Transcript Title:** Environment/Dev: Africa  
**Calendar Title:** Environment/Development: Africa.  
**Description:** Study of environmental effects of development in East Africa, especially due to changes in traditional land tenure and resource use across diverse ecosystems. Models, policies and cases of pastoralist, agricultural, fishing, wildlife and tourist development will be examined, across savanna, desert, forest, highland and coastal environments.  
**Notes:** Winter  
Restriction: Open only to students in the Study in Africa program, a full-term field study program in East Africa  
Prerequisite: One prior course in Anthropology, Geography or Environmental Studies  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Anthropology  
**Status (catalog level):** Active
**ANTH 418**

**Credit Weight:** 3  
**Transcript Title:** Environment and Development  
**Calendar Title:** Environment and Development.  
**Description:** Advanced study of the environmental crisis in developing and advanced industrial nations, with emphasis on the social and cultural dimensions of natural resource management and environmental change. Each year, the seminar will focus on a particular set of issues, delineated by type of resource, geographic region, or analytical problem.  
**Notes:** Fall  
**Prerequisite:** ANTH 339, or ANTH 349, or SOCI 328, or GEOG 300, or GEOG 302, or permission of instructor  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Anthropology  
**Status (catalog level):** Active

**ANTH 419**

**Credit Weight:** 3  
**Transcript Title:** Archaeol of Hunter-Gatherers  
**Calendar Title:** Archaeology of Hunter-Gatherers.  
**Description:** A systematic investigation into current theoretical and methodological concerns in hunter-gatherer archaeology. Examples will be drawn from around the world.  
**Notes:** Winter  
**Prerequisite:** ANTH 357 or permission of instructor  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Anthropology  
**Status (catalog level):** Active

**ANTH 422**

**Credit Weight:** 3  
**Transcript Title:** Contemp.Latin Amer Cult & Soc  
**Calendar Title:** Contemporary Latin American Culture and Society.  
**Description:** Themes central to the culture and society of contemporary Latin America and the Caribbean, including globalization, questions of race and ethnicity, (post)modernity, social movements, constructions of gender and sexuality, and national and diasporic identities.  
**Notes:** Winter  
**Prerequisites:** ANTH 355, or ANTH 352, or HISP 226, or permission of the instructor.  
**Restriction:** U3 students.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Anthropology  
**Status (catalog level):** Active

**ANTH 423**

**Credit Weight:** 3  
**Transcript Title:** Mind, Brain & Psychopathology  
**Calendar Title:** Mind, Brain and Psychopathology.  
**Description:**  

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Evolutionary origins of the human mind and the 'social brain', and the psychopathologies that are said to provide access to this evolutionary history, through the perspective of the anthropology of science and psychiatry.

Notes:
Fall
Prerequisites: ANTH 227 and Honours/Major/Minor status in Anthropology or Minor Concentration in Social Studies of Medicine or permission of instructor
Restrictions: U3 students. Not open to students who have taken ANTH 443 under this topic.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 426
Credit Weight: 3
Transcript Title: Immigration and Culture
Calendar Title: Immigration and Culture.
Description:
Immigration is transforming Europe and North America, and is a major demographic and cultural process in Canada. It is also the subject of government policies in Canada and elsewhere, including the increasingly controversial "multiculturalism."
The study of immigration and its cultural dimensions should be covered in our anthropology curriculum, if we are to be up-to-date in our understanding and teaching about globalization and about Canada today.
Notes:
Restriction: Anthropology Honours or Majors, U3 status, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 428
Credit Weight: 3
Transcript Title: Saints &Mediation in Latin Am.
Calendar Title: Saints and Mediation in Latin America.
Description:
This course examines religion in Latin America by means of a focus on the cult of the saints, a phenomenon central to religious, cultural and social life across the continent and key to the endurance of the institutional Catholic Church. Material in the course addresses various interpretive frames (e.g., historical, political economic, psychoanalytic, semiotic) in exploring how worship of the saints has marked Latin American society and culture, shaping sensibilities, sociality, nationalism, race, class, gender, and sexuality. The course also enables a comprehensive examination of Catholicism as both 'lived religion' and as shaped by the institutional Catholic Church.
Notes:
Prerequisites: ANTH 326 OR ANTH 209 OR ANTH 204 OR ANTH 202 OR permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 432
Credit Weight: 3
Transcript Title: The Aztecs
Calendar Title: The Aztecs.
Description:
Archaeology and ethnohistory of the Aztecs, their enemies, their conquest, and the appropriation of their history for the modern Mexican state. Topics include: imperial and colonial formations; the household; cuisine and feasting; gender, class, and ethnicity; social memory; ontology; religion; art, architecture, and poetry; and economy and market exchange.

Notes:
Prerequisites: ANTH 332

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 436
Credit Weight: 3
Transcript Title: North American Native Peoples
Calendar Title: North American Native Peoples.
Description:
A detailed examination of selected contemporary problems.
Notes:
Winter
Prerequisite: ANTH 338, or ANTH 336, or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 437
Credit Weight: 3
Transcript Title: Historical Archaeology
Calendar Title: Historical Archaeology.
Description:
Theory and methods of historical archaeology with a focus when possible on East Asia.
Notes:
Prerequisites: One 200-level course from both EAST and ANTH or permission of instructor
Restrictions: U3 ANTH or EAST students only or permission of instructor. Not open to students who have taken or are taking EAST 437.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 438
Credit Weight: 3
Transcript Title: Topics in Medical Anthropology
Calendar Title: Topics in Medical Anthropology.
Description:
Conceptions of health and illness and the form and meaning that illness take are reflections of a particular social and cultural context. Examination of the metaphoric use of the body, comparative approaches to healing, and the relationship of healing systems to the political and economic order and to development.
Notes:
Fall
Prerequisite(s): ANTH 227 and Honours/Major/Minor status in Anthropology or Minor Concentration in Social Studies of Medicine or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 440
Credit Weight: 3
Transcript Title: Cognitive Anthropology
Calendar Title: Cognitive Anthropology.
Description:
The problem of knowledge; the nature of perception; the concept of mind; the relation between thought and language. The concept of meaning: communication, interpretation and symbolism. Social aspects of cognition; ideology.
Notes:
Fall
Prerequisite, two of the following: ANTH 204, ANTH 314, ANTH 352, ANTH 355, or ANTH 430, or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 450
Credit Weight: 3
Transcript Title: Archaeology of Landscape
Calendar Title: Archaeology of Landscape.
Description:
This course investigates the application of landscape, together with other spatial concepts and a range of spatial analytical techniques in archaeological practice. We will interrogate the application of a range of theoretical approaches (phenomenological, semiotic, socio-evolutionary, socio-historical), and analytical techniques (regional survey, distributional mapping, spatial graphing, remote sensing, GIS) to archaeological investigations of past landscapes with particular attention to epistemological issues that articulate research problems with appropriate scales and strategies for analyzing and interpreting data. We will explore how a range of social practices produced multi-scalar landscapes, and how the active materiality of landscapes recursively created, maintained and contested social relations.
Notes:
Prerequisite(s): ANTH 357 and ANTH 359.
Restriction(s): Open only to students who have earned a minimum of B- in the prerequisite course(s).
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 451
Credit Weight: 3
Transcript Title: Res in Society & Dev in Africa
Calendar Title: Research in Society and Development in Africa.
Description:
Instruction focuses on three goals: 1) existing research in selected core thematic areas, 2) participating in interdisciplinary team research, 3) developing powers of observation and independent inquiry. Students will be expected to develop research activities and interdisciplinary perspectives, and to become conversant with advances in local research in their field.
Notes:
Winter
Prerequisite: Open to U2 or later students in the AFSS.
Corequisite: NRSC 452.
Restriction: Open only to AFSS students during the year of participation in the field. Not open to students who have taken GEOG 451.

Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 458
Credit Weight: 3
Transcript Title: Archaeology of the Silk Roads
Calendar Title: Archaeology of the Silk Roads.
Description:
Comparative study of the material and visual culture of the Silk Roads, from the Neolithic to the Middle Ages, ca. 1200 CE. Focus will be on China, Mongolia and the Central Asian states. Concepts of ethnicity, interaction, and development of social complexity.
Notes:
Prerequisites: two 200-level courses: one Anthropology and the other focusing on East Asia
Restrictions: U3 Anthropology or East Asian Studies students only or permission of instructor. Not open to students who have taken or are taking EAST 458.

Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 480
Credit Weight: 3
Transcript Title: Special Topic 5
Calendar Title: Special Topic 5.
Description:
Supervised reading in advanced special topics under direction of a member of staff.
Notes:
Prerequisite: Completion of all available courses relevant to the topic and consent of the instructor

Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 481
Credit Weight: 3
Transcript Title: Special Topic 6
Calendar Title: Special Topic 6.
Description:
Supervised reading in advanced special topics under direction of a member of staff.
Notes:
Prerequisite: Completion of all available courses relevant to the topic and consent of the instructor

Administrating Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 490
Credit Weight: 6
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.

Description:
Supervised reading and preparation of a research report under the direction of a member of staff.

Notes:
Fall or Winter Term
Prerequisites: U3 Honours status and permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 490D1
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading and preparation of a research report under the direction of a member of staff.

Notes:
Students must register for both ANTH 490D1 and ANTH 490D2.
No credit will be given for this course unless both ANTH 490D1 and ANTH 490D2 are successfully completed in consecutive terms.
ANTH 490D1 and ANTH 490D2 together are equivalent to ANTH 490.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 490D2
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
see ANTH 490D1.

Notes:
Prerequisite: ANTH 490D1.
No credit will be given for this course unless both ANTH 490D1 and ANTH 490D2 are successfully completed in consecutive terms.
ANTH 490D1 and ANTH 490D2 together are equivalent to ANTH 490.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 490N1
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading and preparation of a research report under the direction of a member of staff.

Notes:
Students must also register for ANTH 490N2

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 490N2
Credit Weight: 3  
Transcript Title: Honours Thesis  
Calendar Title: Honours Thesis.  
Description:  
see ANTH 490N1.  
Notes:  
Prerequisite: ANTH 490N1  
Administering Faculty: Faculty of Arts  
Teaching Department: Anthropology  
Status (catalog level): Active

ANTH 491  
Credit Weight: 3  
Transcript Title: Joint Honours Thesis  
Calendar Title: Joint Honours Thesis.  
Description:  
Supervised reading and preparation of a 3 credit honours thesis under the direction of a member of staff.  
Notes:  
Fall / Winter  
Prerequisites: U3 Honours status and permission of instructor  
Administering Faculty: Faculty of Arts  
Teaching Department: Anthropology  
Status (catalog level): Active

ANTH 499  
Credit Weight: 3  
Transcript Title: Internship: Anthropology  
Calendar Title: Internship: Anthropology.  
Description:  
Internship with an approved host institution or organization.  
Notes:  
Fall and Winter  
Prerequisite: Permission of the departmental Internship Advisor.  
Restriction: Open to U2 and U3 students normally after completing 30 credits of a 90 credit degree program or 45 credits of a 69-120 credit program, a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will normally not fulfill program requirements for seminar or 400-level courses.  
Administering Faculty: Faculty of Arts  
Teaching Department: Anthropology  
Status (catalog level): Active

ANTH 500  
Credit Weight: 3  
Transcript Title: Chinese Diversity & Diaspora  
Calendar Title: Chinese Diversity and Diaspora.  
Description:  
Explores ethnic diversity within mainland China, as well as the diversity of Chinese cultures of diaspora, living outside the mainland, often as minorities subject to other dominant cultures.  
Notes:  
Winter  
Restrictions: Reserved for U3 Anthropology undergraduate students or graduate students, any other students by permission of instructor.  
Enrolment Limit: 25 students.  
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 501
Credit Weight: 3
Transcript Title: Anthropology Beyond the Human
Calendar Title: Anthropology Beyond the Human.
Description:
A theoretical framework for the anthropological understanding of how humans relate to nonhuman worlds that exist beyond social, cultural, and linguistic realms.
Notes:
Prerequisite: U3 Anthropology students only or permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 502
Credit Weight: 3
Transcript Title: Social Life of Death
Calendar Title: Social Life of Death.
Description:
Theoretical and methodological approaches of attitudes, beliefs, and ritual practices surrounding death and mortuary practices. Topics covered include material manifestations of status and identity; symbolic dimensions of dead bodies; ancestors, kinship, and kingship; emotions, mourning, and memory; and ritual violence.
Notes:
Fall

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 503
Credit Weight: 3
Transcript Title: Production of the Past
Calendar Title: Production of the Past.
Description:
The study of the past in cultural anthropology. Representations of the past, colonialism, nationalism, heritage, dominant and subaltern narratives. Silences and violence in the making of the past.
Notes:
Fall
Prerequisite(s): U3 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 504
Credit Weight: 3
Transcript Title: Environmental Archaeology
Calendar Title: Environmental Archaeology.
Description:
Study of long-term relationships between humans and their environments based on empirical evidence. Topics include review of methodological tools in paleoecological reconstruction, and approaches to evaluating human-environment relationships. Examples will be drawn from various subfields, including, but not
limited to, settlement archaeology, human ecology, and landscape archaeology.

Notes:
Prerequisite(s): ANTH 201, ANTH 357
Restriction(s): Anthropology major or honours PLUS permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 505
Credit Weight: 3
Transcript Title: Curr Advances in Arch Theory
Calendar Title: Current Advances in Archaeological Theory.
Description:
Seminar course covering recent (1980s-present) developments in the theories that guide archaeological research questions and interpretation, especially as they relate to the social, material, and postcolonial turns in the humanities and social sciences.

Notes:
Prerequisite(s): For undergraduate students: Anth 359. For graduate students: No prerequisite.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 510
Credit Weight: 3
Transcript Title: Adv Pblms in Anth of Religion
Calendar Title: Advanced Problems in Anthropology of Religion.
Description:
This research seminar helps students to develop indepth knowledge in contemporary problems in the anthropology of religion. Topics may include secularism; religious freedom; gender, sexuality and religion; politics of religious law.

Notes:
Prerequisite(s): ANTH 209 or another instructor-approved introduction to the anthropology of religion and either ANTH 352 or ANTH 355.
Restriction(s): U3 students or graduate students only or with permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 511
Credit Weight: 3
Transcript Title: Computational App. to Prehist.
Calendar Title: Computational Approaches to Prehistory.
Description:
Covers the application of computational methods to archaeological problems and the modeling and simulation of prehistoric populations.

Notes:
Winter
Prerequisites: ANTH 357 or ANTH 359.
Restriction: Restricted to U3 and graduate students in the Anthropology Department.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active
ANTH 512
Credit Weight: 3
Transcript Title: Political Ecology
Calendar Title: Political Ecology.
Description:
Historical, theoretical and methodological development of political ecology as a field of inquiry on the interactions between society and environment, in the context of conflicts over natural resources.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 513
Credit Weight: 3
Transcript Title: The Poetry of Anthropology
Calendar Title: The Poetry of Anthropology.
Description:
The seminar addresses the relationship between poetry and anthropology. Considering both the anthropological study of poetry and the poetic dimension of anthropology, the course examines questions of affect, image, language and media but also of narrative, history and politics. Bringing together several domains of anthropological research and theory, the seminar conceives anthropology as a terrain in which social science and poetry cannot be thought apart.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 515
Credit Weight: 3
Transcript Title: The Archaeology of Politics
Calendar Title: The Archaeology of Politics.
Description:
This course explores how archaeologists investigate past political life using theoretical approaches, archaeological methods and data sets. It examines how modalities of power and political practices articulated and organized social relations at multiple scales and contexts ranging from the institutional (e.g., states, governments, guilds, religious orders) to those of everyday life (e.g., diet, residence, gender). The course interrogates the history of archaeology’s engagement with past politics together with current topical foci such as the politics of ritual, identity, and gender, resistance to authority, production and consumption practices, commensal politics, landscape production, the materiality of politics and the politics of materials.
Notes:
Prerequisite(s): ANTH 359
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 520
Credit Weight: 3
Transcript Title: Pblms&Perspectives:Medl Anthro
Calendar Title: Problems and Perspectives in Medical Anthropology.
Description:
Critical areas of debate in medical anthropology with an eye towards the history of the field.

Notes:
Prerequisites: ANTH 227, ANTH 302 or ANTH 438, or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 521
Credit Weight: 3
Transcript Title: S. Asian Archaeol: Age of Text
Calendar Title: South Asian Archaeology in Age of Text.
Description: How archaeologists investigate South Asia’s past during periods in which textual sources are available. It focuses primarily on the Early Historic (300 BCE-500 CE) and Medieval periods (500-1600 CE), examining how the analysis of the archaeological record, epigraphy and other forms of text have been articulated to produce narratives of South Asia’s past. Interrogation and problematization of the sometimes passive and politized roles that archaeology has played in South Asian historiography and exploration of how more comprehensive approaches to studying archaeological and textual data enables a fuller investigation of past social, political, economic, ideological and ritual conditions and practices.

Notes:
Prerequisite: ANTH 361 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 530
Credit Weight: 3
Transcript Title: Material Turn in Archaeology
Calendar Title: Material Turn in Archaeology.
Description: Theoretical developments in archaeological study of material remains. Topics include: object agency, entanglement, ontology, assemblage, hybridity, matter and time.

Notes:
Prerequisites: ANTH 201 or ANTH 210
Restrictions: Open to U2, U3, or graduate students.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 540
Credit Weight: 3
Transcript Title: Topics in Anthro. Theory
Calendar Title: Topics in Anthropological Theory.
Description: Examination and discussion of topics of current theoretical interest.

Notes:
Fall
Restriction: This course is restricted to U3 Honours students in the Anthropology Department or with permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active
ANTH 551
Credit Weight: 3
Transcript Title: Adv Topics: Archaeological Res
Calendar Title: Advanced Topics: Archaeological Research.
Description: Examination and discussion of topics of current theoretical or methodological interest in archaeology. Topics will be announced at the beginning of term.
Notes: Fall
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 555
Credit Weight: 3
Transcript Title: Advanced Topics in Ethnology
Calendar Title: Advanced Topics in Ethnology.
Description: Examination and discussion of topics of current theoretical or methodological interest in ethnology. Topics will be announced at the beginning of term.
Notes: Winter
Restriction: Honours students at the U3 level in the Anthropology Department or with permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 575
Credit Weight: 3
Transcript Title: Concepts of Race
Calendar Title: Concepts of Race.
Description: Examination of the evolution of the idea of race within anthropology, and the impact which the discipline's debates have had on society.
Notes: Winter
Prerequisites: ANTH 201, or ANTH 202, or ANTH 203, and ANTH 352 or ANTH 359.
Restriction: U3 students and graduate students in Anthropology programs.
Administering Faculty: Faculty of Arts
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 601
Credit Weight: 3
Transcript Title: Ethnographic Writing As Craft
Calendar Title: Ethnographic Writing As Craft.
Description: Introduction to technical, aesthetic and theoretical approaches to writing ethnography.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 602
Credit Weight: 3
Transcript Title: Theory 1
Calendar Title: Theory 1.
Description:
A survey of theories and methods employed in anthropology.
Administrating Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 602D1
Credit Weight: 1.5
Transcript Title: Theory 1
Calendar Title: Theory 1.
Description:
A survey of theories and methods employed in anthropology.
Notes:
Students must register for both ANTH 602D1 and ANTH 602D2
No credit will be given for this course unless both ANTH 602D1 and ANTH 602D2 are successfully completed in consecutive terms
ANTH 602D1 and ANTH 602D2 together are equivalent to ANTH 602
Administrating Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 602D2
Credit Weight: 1.5
Transcript Title: Theory 1
Calendar Title: Theory 1.
Description:
See ANTH 602D1 for course description.
Notes:
Prerequisite: ANTH 602D1
No credit will be given for this course unless both ANTH 602D1 and ANTH 602D2 are successfully completed in consecutive terms
ANTH 602D1 and ANTH 602D2 together are equivalent to ANTH 602
Administrating Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 603
Credit Weight: 3
Transcript Title: Theory 2
Calendar Title: Theory 2.
Description:
A survey of theories and methods employed in anthropology.
Administrating Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 603D1
Credit Weight: 1.5
Transcript Title: Theory 2
Calendar Title: Theory 2.
Description:
A survey of theories and methods employed in anthropology.
Notes:
Students must register for both ANTH 603D1 and ANTH 603D2
No credit will be given for this course unless both ANTH 603D1 and ANTH 603D2 are
successfully completed in consecutive terms
ANTH 603D1 and ANTH 603D2 together are equivalent to ANTH 603

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Inactive

ANTH 603D2

**Credit Weight:** 1.5

**Transcript Title:** Theory 2

**Calendar Title:** Theory 2.

**Description:**
See ANTH 603D1 for course description.

**Notes:**
Prerequisite: ANTH 603D1
No credit will be given for this course unless both ANTH 603D1 and ANTH 603D2 are
successfully completed in consecutive terms
ANTH 603D1 and ANTH 603D2 together are equivalent to ANTH 603

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Inactive

ANTH 609

**Credit Weight:** 6

**Transcript Title:** Proseminar in Anthropology

**Calendar Title:** Proseminar in Anthropology.

**Description:**
A survey of professional skills in the field of anthropology.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Inactive

ANTH 609D1

**Credit Weight:** 3

**Transcript Title:** Proseminar in Anthropology

**Calendar Title:** Proseminar in Anthropology.

**Description:**
A survey of professional skills in the field of anthropology.

**Notes:**
Students must register for both ANTH 609D1 and ANTH 609D2
No credit will be given for this course unless both ANTH 609D1 and ANTH 609D2 are
successfully completed in consecutive terms
ANTH 609D1 and ANTH 609D2 together are equivalent to ANTH 609

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Active

ANTH 609D2

**Credit Weight:** 3

**Transcript Title:** Proseminar in Anthropology

**Calendar Title:** Proseminar in Anthropology.

**Description:**
A survey of professional skills in the field of anthropology.

**Notes:**
Prerequisite: ANTH 609D1
No credit will be given for this course unless both ANTH 609D1 and ANTH 609D2 are successfully completed in consecutive terms
ANTH 609D1 and ANTH 609D2 together are equivalent to ANTH 609

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 611
Credit Weight: 3
Transcript Title: Research Design
Calendar Title: Research Design.
Description:
Research design in anthropology.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 615
Credit Weight: 3
Transcript Title: Sem in Medical Anthropology
Calendar Title: Seminar in Medical Anthropology.
Description:
Overview of the theories and methods of contemporary medical anthropology.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 615D1
Credit Weight: 1.5
Transcript Title: Sem in Medical Anthropology
Calendar Title: Seminar in Medical Anthropology.
Description:
Overview of the theories and methods of contemporary medical anthropology.
Notes:
Students must register for both ANTH 615D1 and ANTH 615D2
No credit will be given for this course unless both ANTH 615D1 and ANTH 615D2 are successfully completed in consecutive terms
ANTH 615D1 and ANTH 615D2 together are equivalent to ANTH 615
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 615D2
Credit Weight: 1.5
Transcript Title: Sem in Medical Anthropology
Calendar Title: Seminar in Medical Anthropology.
Description:
See ANTH 615D1 for course description.
Notes:
Prerequisite: ANTH 615D1
No credit will be given for this course unless both ANTH 615D1 and ANTH 615D2 are successfully completed in consecutive terms
ANTH 615D1 and ANTH 615D2 together are equivalent to ANTH 615
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive
ANTH 616
Credit Weight: 3
Transcript Title: Political Anthropology 1
Calendar Title: Political Anthropology 1.
Description: The study of political systems and political processes.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 632
Credit Weight: 3
Transcript Title: Centl Mexican Archaeol&Ethhist
Calendar Title: Central Mexican Archaeology and Ethnohistory.
Description: Archaeology and ethnohistory of central Mexico with a focus on the relationship between the Aztec past, the Mexican state, and descendant communities.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 634
Credit Weight: 3
Transcript Title: Anthropology of Development 1
Calendar Title: Anthropology of Development 1.
Description: Critical assessment of the institutions, discourses and processes of social change associated with notions of "development", with special emphasis on small communities in the "developing world", and unindustrialized parts of "developed" countries.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 634D1
Credit Weight: 1.5
Transcript Title: Anthropology of Development 1
Calendar Title: Anthropology of Development 1.
Description: Critical assessment of the institutions, discourses and processes of social change associated with notions of "development", with special emphasis on small communities in the "developing world", and unindustrialized parts of "developed" countries.
Notes: Students must register for both ANTH 634D1 and ANTH 634D2
No credit will be given for this course unless both ANTH 634D1 and ANTH 634D2 are successfully completed in consecutive terms
ANTH 634D1 and ANTH 634D2 together are equivalent to ANTH 634
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 634D2
Credit Weight: 1.5
Transcript Title: Anthropology of Development 1
Calendar Title: Anthropology of Development 1.
Description: See ANTH 634D1 for course description.
Notes: Prerequisite: ANTH 634D1
No credit will be given for this course unless both ANTH 634D1 and ANTH 634D2 are successfully completed in consecutive terms
ANTH 634D1 and ANTH 634D2 together are equivalent to ANTH 634
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 640
Credit Weight: 3
Transcript Title: Psychological Anthropology 1
Calendar Title: Psychological Anthropology 1.
Description: Overview of the theories and methods of contemporary psychological anthropology.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 645
Credit Weight: 3
Transcript Title: Anthropology, Mind and Brain
Calendar Title: Anthropology, Mind and Brain.
Description: Evolutionary origins of the human mind and the epistemic cultures of science and psychiatry through which the mind, its brain, and its evolutionary history are currently understood. Orientation is to be the perspective of anthropology and social studies of science.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 648
Credit Weight: 3
Transcript Title: Structural Anthropology
Calendar Title: Structural Anthropology.
Description: Review of structural anthropology.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 648D1
Credit Weight: 1.5
Transcript Title: Structural Anthropology
Calendar Title: Structural Anthropology.
Description: Review of structural anthropology.
Notes: Students must register for both ANTH 648D1 and ANTH 648D2
No credit will be given for this course unless both ANTH 648D1 and ANTH 648D2 are successfully completed in consecutive terms
ANTH 648D1 and ANTH 648D2 together are equivalent to ANTH 648
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 648D2
Credit Weight: 1.5
Transcript Title: Structural Anthropology
Calendar Title: Structural Anthropology.
Description:
See ANTH 648D1 for course description.
Notes:
Prerequisite: ANTH 648D1
No credit will be given for this course unless both ANTH 648D1 and ANTH 648D2 are successfully completed in consecutive terms
ANTH 648D1 and ANTH 648D2 together are equivalent to ANTH 648

ANTH 670
Credit Weight: 3
Transcript Title: Archeological Theory 1
Calendar Title: Archaeological Theory 1.
Description:
Survey of theories and methods employed in the practice of contemporary archaeology.

ANTH 670D1
Credit Weight: 1.5
Transcript Title: Archeological Theory 1
Calendar Title: Archaeological Theory 1.
Description:
Survey of theories and methods employed in the practice of contemporary archaeology.
Notes:
Students must register for both ANTH 670D1 and ANTH 670D2
No credit will be given for this course unless both ANTH 670D1 and ANTH 670D2 are successfully completed in consecutive terms
ANTH 670D1 and ANTH 670D2 together are equivalent to ANTH 670

ANTH 670D2
Credit Weight: 1.5
Transcript Title: Archeological Theory 1
Calendar Title: Archaeological Theory 1.
Description:
See ANTH 670D1 for course description.
Notes:
Prerequisite: ANTH 670D1
No credit will be given for this course unless both ANTH 670D1 and ANTH 670D2 are successfully completed in consecutive terms
ANTH 670D1 and ANTH 670D2 together are equivalent to ANTH 670
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 685
Credit Weight: 3
Transcript Title: Research Tutorial 1
Calendar Title: Research Tutorial 1.
Description:
Individualized guided research on an approved topic.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 690
Credit Weight: 6
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
Production of a research paper that will explore a clearly defined problem, show familiarity with the most important work previously done in the field, and demonstrate the ability to carry out research, organize results and present them. The paper must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of anthropology. It is devoted to research design and bibliographical research.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 691
Credit Weight: 6
Transcript Title: Research Paper 2
Calendar Title: Research Paper 2.
Description:
Production of a research paper that will explore a clearly defined problem, show familiarity with the most important work previously done in the field, and demonstrate the ability to carry out research, organize results and present them. The paper must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of anthropology. It is devoted to research implementation and analysis.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 692
Credit Weight: 6
Transcript Title: Research Paper 3
Calendar Title: Research Paper 3.
Description:
Production of a research paper that will explore a clearly defined problem, show familiarity with the most important work previously done in the field, and demonstrate the ability to carry out research, organize results and present them. The paper must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of anthropology. It is devoted to the actual drafting of the paper.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 694
Credit Weight: 6
Transcript Title: M.A. Thesis Tutorial 1
Calendar Title: M.A. Thesis Tutorial 1.
Description: Individualized guided research for the Master's thesis.

ANTH 695
Credit Weight: 6
Transcript Title: M.A. Thesis Tutorial 2
Calendar Title: M.A. Thesis Tutorial 2.
Description: Individualized guided research for the Master's thesis.

ANTH 699
Credit Weight: 21
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: Writing of M.A. thesis.

ANTH 700
Credit Weight: 0
Transcript Title: Ph.D. Preliminary Examination
Calendar Title: Ph.D. Preliminary Examination.
Description: Written and oral presentation of the PhD dissertation research proposal to the Supervisory Committee.

ANTH 700D1
Credit Weight: 0
Transcript Title: Ph.D. Preliminary Examination
Calendar Title: Ph.D. Preliminary Examination.
Description: Written and oral presentation of the PhD dissertation research proposal to the Supervisory Committee.
Notes: Students must register for both ANTH 700D1 and ANTH 700D2
No credit will be given for this course unless both ANTH 700D1 and ANTH 700D2 are successfully completed in consecutive terms
ANTH 700D1 and ANTH 700D2 together are equivalent to ANTH 700

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 700D2**

**Credit Weight:** 0

**Transcript Title:** Ph.D. Preliminary Examination

**Calendar Title:** Ph.D. Preliminary Examination.

**Description:**
See ANTH 700D1 for course description.

**Notes:**
Prerequisite: ANTH 700D1

No credit will be given for this course unless both ANTH 700D1 and ANTH 700D2 are successfully completed in consecutive terms.

ANTH 700D1 and ANTH 700D2 together are equivalent to ANTH 700

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 701**

**Credit Weight:** 0

**Transcript Title:** PhD Comprehensive Examination

**Calendar Title:** PhD Comprehensive Examination.

**Description:**
A comprehensive examination of two topics (one thesis related, one cognate field), set by the program committee, that must be successfully passed by all doctoral candidates in order to continue in the doctoral program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 702**

**Credit Weight:** 0

**Transcript Title:** PhD Proposal Defence

**Calendar Title:** PhD Proposal Defence.

**Description:**
Preparation and defence of a dissertation proposal that surveys relevant literature, develops a research question(s), identifies a methodology to test the question, and outlines the limitations and implications of the proposed work.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 780**

**Credit Weight:** 3

**Transcript Title:** Reading and Research 1

**Calendar Title:** Reading and Research 1.

**Description:**
Supervised readings and research supervised by a member of staff. Topics will be chosen to suit individual interests.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Anthropology

**Status (catalog level):** Active

**ANTH 780D1**
Credit Weight: 1.5
Transcript Title: Reading and Research 1
Calendar Title: Reading and Research 1.
Description:
Supervised readings and research supervised by a member of staff. Topics will be chosen to suit individual interests.
Notes:
Students must register for both ANTH 780D1 and ANTH 780D2
No credit will be given for this course unless both ANTH 780D1 and ANTH 780D2 are successfully completed in consecutive terms
ANTH 780D1 and ANTH 780D2 together are equivalent to ANTH 780

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 780D2
Credit Weight: 1.5
Transcript Title: Reading and Research 1
Calendar Title: Reading and Research 1.
Description:
See ANTH 780D1 for course description.
Notes:
Prerequisite: ANTH 780D1
No credit will be given for this course unless both ANTH 780D1 and ANTH 780D2 are successfully completed in consecutive terms
ANTH 780D1 and ANTH 780D2 together are equivalent to ANTH 780

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 781
Credit Weight: 3
Transcript Title: Reading and Research 2
Calendar Title: Reading and Research 2.
Description:
Supervised readings and research supervised by a member of staff. Topics will be chosen to suit individual interests.

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 790
Credit Weight: 3
Transcript Title: Ph.D. Tutorial 1
Calendar Title: Ph.D. Tutorial 1.
Description:
Individualized guided research on an approved topic.

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 790D1
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 1
Calendar Title: Ph.D. Tutorial 1.
Description:
Individualized guided research on an approved topic.

Notes:
Students must register for both ANTH 790D1 and ANTH 790D2
No credit will be given for this course unless both ANTH 790D1 and ANTH 790D2 are successfully completed in consecutive terms
ANTH 790D1 and ANTH 790D2 together are equivalent to ANTH 790

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 790D2
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 1
Calendar Title: Ph.D. Tutorial 1.
Description: See ANTH 790D1 for course description.
Notes:
Prerequisite: ANTH 790D1
No credit will be given for this course unless both ANTH 790D1 and ANTH 790D2 are successfully completed in consecutive terms
ANTH 790D1 and ANTH 790D2 together are equivalent to ANTH 790

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 790N1
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 1
Calendar Title: Ph.D. Tutorial 1.
Description: Individualized guided research on an approved topic.
Notes:
Students must also register for ANTH 790N2
No credit will be given for this course unless both ANTH 790N1 and ANTH 790N2 are successfully completed in a twelve month period
ANTH 790N1 and ANTH 790N2 together are equivalent to ANTH 790

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 790N2
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 1
Calendar Title: Ph.D. Tutorial 1.
Description: See ANTH 790N1 for course description.
Notes:
Prerequisite: ANTH 790N1
No credit will be given for this course unless both ANTH 790N1 and ANTH 790N2 are successfully completed in a twelve month period
ANTH 790N1 and ANTH 790N2 together are equivalent to ANTH 790

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 791
Credit Weight: 3
Transcript Title: Ph.D. Tutorial 2
Calendar Title: Ph.D. Tutorial 2.
Description: Individualized guided research on an approved topic.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 791D1
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 2
Calendar Title: Ph.D. Tutorial 2.
Description: Individualized guided research on an approved topic.
Notes: Students must register for both ANTH 791D1 and ANTH 791D2
No credit will be given for this course unless both ANTH 791D1 and ANTH 791D2 are successfully completed in consecutive terms
ANTH 791D1 and ANTH 791D2 together are equivalent to ANTH 791
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 791D2
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 2
Calendar Title: Ph.D. Tutorial 2.
Description: See ANTH 791D1 for course description.
Notes: Prerequisite: ANTH 791D1
No credit will be given for this course unless both ANTH 791D1 and ANTH 791D2 are successfully completed in consecutive terms
ANTH 791D1 and ANTH 791D2 together are equivalent to ANTH 791
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 791N1
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 2
Calendar Title: Ph.D. Tutorial 2.
Description: Individualized guided research on an approved topic.
Notes: Students must also register for ANTH 791N2
No credit will be given for this course unless both ANTH 791N1 and ANTH 791N2 are successfully completed in a twelve month period
ANTH 791N1 and ANTH 791N2 together are equivalent to ANTH 791
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 791N2
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 2
Calendar Title: Ph.D. Tutorial 2.
Description:
See ANTH 791N1 for course description.
Notes:
Prerequisite: ANTH 791N1
No credit will be given for this course unless both ANTH 791N1 and ANTH 791N2 are successfully completed in a twelve month period
ANTH 791N1 and ANTH 791N2 together are equivalent to ANTH 791
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 792
Credit Weight: 3
Transcript Title: Ph.D. Tutorial 3
Calendar Title: Ph.D. Tutorial 3.
Description:
Individualized guided research on an approved topic.
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 792D1
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 3
Calendar Title: Ph.D. Tutorial 3.
Description:
 Individualized guided research on an approved topic.
Notes:
Students must register for both ANTH 792D1 and ANTH 792D2
No credit will be given for this course unless both ANTH 792D1 and ANTH 792D2 are successfully completed in consecutive terms
ANTH 792D1 and ANTH 792D2 together are equivalent to ANTH 792
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 792D2
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 3
Calendar Title: Ph.D. Tutorial 3.
Description:
See ANTH 792D1 for course description.
Notes:
Prerequisite: ANTH 792D1
No credit will be given for this course unless both ANTH 792D1 and ANTH 792D2 are successfully completed in consecutive terms
ANTH 792D1 and ANTH 792D2 together are equivalent to ANTH 792
Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Active

ANTH 792N1
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 3
Calendar Title: Ph.D. Tutorial 3.
Description: Individualized guided research on an approved topic.
Notes: Students must also register for ANTH 792N2
No credit will be given for this course unless both ANTH 792N1 and ANTH 792N2 are successfully completed in a twelve month period
ANTH 792N1 and ANTH 792N2 together are equivalent to ANTH 792

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive

ANTH 792N2
Credit Weight: 1.5
Transcript Title: Ph.D. Tutorial 3
Calendar Title: Ph.D. Tutorial 3.
Description: See ANTH 792N1 for course description.
Notes: Prerequisite: ANTH 792N1
No credit will be given for this course unless both ANTH 792N1 and ANTH 792N2 are successfully completed in a twelve month period
ANTH 792N1 and ANTH 792N2 together are equivalent to ANTH 792

Administering Faculty: Graduate Studies
Teaching Department: Anthropology
Status (catalog level): Inactive
ARCH 201
Credit Weight: 6
Transcript Title: Communication, Behaviour & Architecture
Calendar Title: Communication, Behaviour and Architecture
Description: Introduction to design; development of design judgement and communication skills in a series of exercises addressing light, scale, space, form and colour in the built environment; introduction to techniques of oral and graphic presentation, including model making, photography, sketching and architectural drawing. The course is based in the studio and includes lectures, seminars and field trips.
Notes: (2-10-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 202
Credit Weight: 6
Transcript Title: Architectural Graphics and Elements of Design
Calendar Title: Architectural Graphics and Elements of Design
Description: Introduction to architectural design; consideration of building form in relation to program, structural system, material selection, site and climate; further development of skills in model making, conventional architectural drawing, axonometric and perspective drawing, sketching and architectural rendering. The course is based in the studio and includes lectures, seminars and field trips.
Notes: (2-10-6)
Prerequisite: ARCH 201
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 217
Credit Weight: 1
Transcript Title: Freehand Drawing
Calendar Title: Freehand Drawing.
Description: Development of skills in drawing and observation through a series of exercises based on the study of the human figure in a studio setting. Media include pencil, charcoal, conte crayon, and pen and ink.
Notes: (0-2-1)
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 221
Credit Weight: 2
Transcript Title: Architectural Drawing
Calendar Title: Architectural Drawing.
Description: Strategies for visualization and representation based on perspective, orthographic and oblique projection; drawing in the design process; relationship of drawing type to design intention; freehand drawing and sketching; architectural survey and notebook recording. Students work in the studio and in the field in a range of media.
ARCH 240
Credit Weight: 3
Transcript Title: Org of Materials in Building
Calendar Title: Organization of Materials in Buildings.
Description:
The characteristics of basic building materials: wood, steel, masonry and concrete. How building materials are shaped into building components, and how these components are integrated into the building envelope. Problems, laboratory projects and field trips to illustrate principles.
Notes:
(2-3-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 241
Credit Weight: 3
Transcript Title: Architectural Structures 1
Calendar Title: Architectural Structures 1.
Description:
Introduction to the fundamental concepts and forms of structures in architecture.
Notes:
(3-1-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 250
Credit Weight: 3
Transcript Title: Architectural History 1
Calendar Title: Architectural History 1.
Description:
The study of architecture and cities from ancient times to 1750.
Notes:
(3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 251
Credit Weight: 3
Transcript Title: Architectural History 2
Calendar Title: Architectural History 2.
Description:
The study of North American architecture and cities from 1950 to the present.
Notes:
(2-1-6)
Prerequisite: ARCH 250
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 303
Credit Weight: 6

Transcript Title: Design and Construction 1
Calendar Title: Design and Construction 1.

Description:
An exploration of the design of buildings. Projects emphasize the major social, technological, environmental, and symbolic aspects of the design process. Introduction to specific modelling, presentation, and documentation techniques. Discussions, readings, field trips and practical exercises.

Notes:
(2-10-6)
Prerequisite: ARCH 202

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture

Status (catalog level): Active

ARCH 304
Credit Weight: 6

Transcript Title: Design and Construction 2
Calendar Title: Design and Construction 2.

Description:
Continuation of Design and Construction I with projects of increasing complexity. Projects deal with particular aspects of architectural design and/or explore approaches to design methodology. Discussions, readings, field trips and practical exercises.

Notes:
(2-10-6)
Prerequisite: ARCH 303

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture

Status (catalog level): Active

ARCH 325
Credit Weight: 2

Transcript Title: Architectural Sketching
Calendar Title: Architectural Sketching.

Description:
Seven days of supervised field sketching in selected locations outside Montreal. The course develops traditional skills in architectural sketching in pencil, ink and watercolour. Sketching is explored as a process that frames the student's encounter with the environment and as a strategy for acquiring knowledge and understanding of the world.

Notes:
(15-40-6)
Restriction: Not open to students who have taken ARCH 324
Prerequisite(s): ARCH 221

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture

Status (catalog level): Active

ARCH 342
Credit Weight: 3

Transcript Title: Digital Representation
Calendar Title: Digital Representation.
Description:
This course introduces students to digital representation in architecture. Students explore applications of state-of-the-art two- and three-dimensional computer modeling software in architectural design.

Notes:
(2-1-6)
Prerequisites: ARCH 201 or instructor's approval

Architectural History 3

ARCH 354
Credit Weight: 3
Transcript Title: Architectural History 3
Calendar Title: Architectural History 3.
Description:
The study of Modern European architecture from 1750 to 1950.
Notes:
(2-1-6)
Prerequisites: ARCH 250 and ARCH 251

Architectural History 4

ARCH 355
Credit Weight: 3
Transcript Title: Architectural History 4
Calendar Title: Architectural History 4.
Description:
The study of cities and world architecture from 1900 to the present.
Notes:
(2-1-6)
Prerequisites: ARCH 250 and ARCH 251

Landscape

ARCH 375
Credit Weight: 3
Transcript Title: Landscape
Calendar Title: Landscape.
Description:
Land form, plant life, microclimate; land use and land preservation; elements and methods of landscape design.
Notes:
(3-0-6)

Energy, Environment, and Buildings 1

ARCH 377
Credit Weight: 3
Transcript Title: Energy, Environment, & Buildings 1
Calendar Title: Energy, Environment, and Buildings 1.
Description:
Exploration of the interrelationship between energy, environment, and building.
Climate analysis and design, daylighting, electrical systems, plumbing and water conservation, and conveyance systems.

Notes:
(3-0-6)

Prerequisites: ARCH 202 and ARCH 378

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active

ARCH 378

Credit Weight: 3

Transcript Title: Intro to Building Environments

Calendar Title: Introduction to Building Environments.

Description:
Introduction to ecology, technology, and building through climate change as a central topic for architects in this century.

Notes:
(3-0-6)

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active

ARCH 379

Credit Weight: 3

Transcript Title: Summer Course Abroad

Calendar Title: Summer Course Abroad.

Description:
Studies in-situ of key buildings, landscapes and urban settings; techniques of graphic documentations, analysis of physical configuration, constructional details and present use. Excursions to neighbouring sites of architectural interest.

Symbols: LIMT - Limited enrolment

Notes:
(0-0-9)

Prerequisite: ARCH 202 or permission of instructor

Restriction: Departmental permission required

The fee for this field course is $1968, of which a small portion is eligible to be reported on a T2202A. The fee covers students' and instructor lodging and instructor transportation costs. The fee also includes the printing of students' final work in the course.

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active

ARCH 383

Credit Weight: 3

Transcript Title: Geometry and Architecture

Calendar Title: Geometry and Architecture.

Description:
Geometry in the formal structure of design. Grids, lattices, polygons and polyhedra; proportional systems. Evidence of these figures and structures in natural objects and phenomena. Graphical and physical models. Application to architecture and the human environment. Case studies.

Symbols: ALTY - Taught in alternate years

Notes:
(2-0-7)

Prerequisite: ARCH 202 or permission of instructor

Given alternate years, alternating with ARCH 525
Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 388  
Credit Weight: 2  
Transcript Title: Intro to Historic Preservation  
Calendar Title: Introduction to Historic Preservation  
Description: Historic attitudes and terminologies of conservation; historic research techniques. Restoration technology of building materials and principles of interior design in the 19th and 20th centuries; current preservation planning.  
Symbols: ALTY - Taught in alternate years  
Notes: (2-2-2)  
Prerequisite: ARCH 303  
Given alternate years, alternating with ARCH 372  

Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Inactive

ARCH 405  
Credit Weight: 6  
Transcript Title: Design and Construction 3  
Calendar Title: Design and Construction 3  
Description: A structured investigation of architectural concepts; program interpretation with respect to relevant cultural, social and environmental contexts; applications of appropriate formal languages and building technologies in integrated proposals for a variety of building forms.  
Notes: (2-10-6)  
Prerequisite: ARCH 304

Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 406  
Credit Weight: 6  
Transcript Title: Design and Construction 4  
Calendar Title: Design and Construction 4  
Description: A detailed study and comprehensive development of architectural proposals for complex building types and site conditions; the exploration of coherent initial concepts with respect to programmatic requirements, image and form; subsequent elaboration leading to meaningful and technologically viable designs for the built environment.  
Notes: (2-10-6)  
Prerequisite: ARCH 405

Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 410  
Credit Weight: 6
Transcript Title: Design and Construction 5
Calendar Title: Design and Construction 5.
Description: A study of the function and structure of the urban environment, including surveys of selected urban areas by recording and analysing specific environmental factors. Architectural and urban design with reference to their social implications. Urban renewal and rehabilitation by means of systematic design methods. Techniques of visual communication including documentary film-making.
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 445
Credit Weight: 3
Transcript Title: Architectural Structures 2
Calendar Title: Architectural Structures 2.
Description: Holistic overview of structural systems for architects and application to real-world architectural projects. Fundamentals and principles of the philosophy of structures; structural theory; mechanics of structures; loadings; different structural components such as gravity and lateral force resisting systems; materials and other factors in the design and analysis of structures.
Notes: (3-0-6)
Prerequisites: ARCH 240, ARCH 241, ARCH 304
Corequisite: ARCH 405
Restrictions: Not open to students who have taken or are taking CIVE 492.
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 447
Credit Weight: 3
Transcript Title: Energy, Environ, & Buildings 2
Calendar Title: Energy, Environment, and Buildings 2.
Description: Advanced exploration of the interrelationships among energy, environment, and building. Topics include energy efficiency, thermal envelopes, life-cycle design, materials selection, fluid mechanics of natural ventilation, thermal science of passive design, adaptive thermal comfort, the 'air-conditioning trap', the 'embodied carbon blindspot,' and the 'timber-carbon sink'.
Notes: (3-0-6)
Prerequisite(s): ARCH 240, ARCH 378
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 451
Credit Weight: 3
Transcript Title: Building Regulations & Safety
Calendar Title: Building Regulations and Safety.
Description: The study of building codes with specific emphasis on the National Building and National Fire Codes of Canada. Examples of existing buildings with assignments to illustrate regulations. Development of a systematic approach to the implementation
of codes during the preliminary design stage of an architectural project.

Notes:
(3-0-6)
Prerequisite: ARCH 405

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 461
Credit Weight: 1
Transcript Title: Freehand Drawing & Sketching
Calendar Title: Freehand Drawing and Sketching.
Description:
Drawing and sketching in pencil, charcoal and other media both in the studio and out-of-doors.
Notes:
(0-3-0)
Prerequisite: ARCH 325

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 490
Credit Weight: 2
Transcript Title: Selected Topics in Design
Calendar Title: Selected Topics in Design.
Description:
A course to allow the introduction of special topics in related areas of design.
Notes:
(2-0-4)
Prerequisite: ARCH 202 or permission of instructor

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 491
Credit Weight: 2
Transcript Title: Sel Topics: Landscape Studies
Calendar Title: Selected Topics in Landscape Studies.
Description:
Current issues of landscape, environment, and climate with impacts on the theory and practice of architecture.
Notes:
(2-0-4).
Prerequisite: ARCH 202

Administrating Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 492
Credit Weight: 2
Transcript Title: Sel Topics: Professional Prac
Calendar Title: Selected Topics in Professional Practice.
Description:
Critical aspects of the architect's contemporary role in professional practice.
Notes:
(2-0-4).
Prerequisite: ARCH 202
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 500
Credit Weight: 0
Transcript Title: Internship in Architecture
Calendar Title: Internship in Architecture.
Description:
A period of architecture internship consistent with the terms of reference of the Canadian Internship in Architecture Program (IAP).
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 512
Credit Weight: 3
Transcript Title: Architectural Modelling
Calendar Title: Architectural Modelling.
Description:
Architectural modelling using advanced applications in digital media. Topics include: 3-D modelling and rendering; image editing; digital animation; hypertext and the World Wide Web; issues of representation and methodology; comparison of publishing applications. Projects complement design studio courses and independent studies that are student or instructor initiated.
Notes:
(2-1-6)
Prerequisites: ARCH 303 and ARCH 342 or equivalent.
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 514
Credit Weight: 3
Transcript Title: Community Design Workshop
Calendar Title: Community Design Workshop.
Description:
Context-focused community-based architectural projects undertaken in collaboration with external partners. Exploration of challenges, needs, and opportunities in architectural and urban-design interventions on real sites through interdisciplinary and cross-sectorial collaboration.
Notes:
(1-4-4)
Restriction(s): Not open to students who have taken or are taking URBP 514.
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 515
Credit Weight: 3
Transcript Title: Sustainable Design
Calendar Title: Sustainable Design.
Description:
This course will address sustainable design theory and applications in the built environment with students from a variety of fields (architecture, urban planning,
engineering, sociology, environmental studies, economics, international studies). Architecture will provide the focus for environmental, socio-cultural and economic issues.

Notes:
(3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 517
Credit Weight: 3
Transcript Title: Sustainable Residential Dev
Calendar Title: Sustainable Residential Development.
Description:
Design strategies of sustainable residential environments at the community and the unit levels. Historic references, siting principles, high density, healthy developments, green homes, urban renewal, circulation and parking, open spaces and implementation approaches.
Notes:
(3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 519
Credit Weight: 3
Transcript Title: Field Course Abroad
Calendar Title: Field Course Abroad.
Description:
Advanced and comprehensive studies in-situ of key buildings, landscapes and urban settings; techniques of graphic documentations, analysis of physical configuration, constructional details and present use.
Notes:
Prerequisite: ARCH 304 or permission of instructor
Restrictions: Limited enrolment; departmental permission required
Note: Excursions to neighbouring sites of architectural interest
The fee for this field course is $1968, of which a small portion is eligible to be reported on a T2202A. The fee covers students' and instructor lodging and instructor transportation costs. The fee also includes the printing of students' final work in the course.

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 520
Credit Weight: 3
Transcript Title: Montreal: Urban Morphology
Calendar Title: Montreal: Urban Morphology.
Description:
Historical, geographical, demographical, and regional evolution of the metropolis of Montreal. Topics include: important quartiers, the Montreal urban grid, industrialization, reform movements, geographical diversity, urban culture, local building techniques and materials. Basic concepts of urban morphology and their relationships to the contemporary urban context will be explored.
Symbols: ALTY - Taught in alternate years
Notes:
(2-1-6)
Prerequisite: ARCH 251

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active

ARCH 521

Credit Weight: 3

Transcript Title: Structure of Cities

Calendar Title: Structure of Cities.

Description:

Symbols: ALTY - Taught in alternate years

Notes:
(2-0-7)

Prerequisite: ARCH 202 or permission of instructor

Given alternate years, alternating with ARCH 520

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active

ARCH 523

Credit Weight: 3

Transcript Title: Significant Texts & Buildings

Calendar Title: Significant Texts and Buildings.

Description:
Critical study of significant architectural thought since 1750 as it has been expressed in buildings and texts (treatises, manifestos, criticisms). A specific theme will be addressed every year to allow in-depth interpretations of the material presented and discussed.

Symbols: LIMT - Limited enrolment
ALTY - Taught in alternate years

Notes:
(2-0-7)

Prerequisite: ARCH 251

Restriction: Departmental permission required

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active

ARCH 525

Credit Weight: 3

Transcript Title: Seminar on Analysis and Theory

Calendar Title: Seminar on Analysis and Theory.

Description:
Analysis and evaluation of significant architectural projects with reference to contemporary architectural theories.

Symbols: LIMT - Limited enrolment
ALTY - Taught in alternate years

Notes:
(2-0-7)

Prerequisite: ARCH 202 or permission of instructor

Administering Faculty: Faculty of Engineering

Teaching Department: Architecture

Status (catalog level): Active
ARCH 526
Credit Weight: 3
Transcript Title: Philosophy of Structures
Calendar Title: Philosophy of Structure.
Description: Philosophy of Structure aims to investigate structure in its broadest sense. The course is divided in two halves; the first one gives an overview of the development of theoretical structural frameworks such as mathematics and geometry, while the second one highlights physical structures constructed by nature (geology, turbulence), man or animals.
Notes: (2-0-7)
Prerequisite: ARCH 202 or permission of Instructor
Restriction: Not open to students who have taken ARCH 374
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 528
Credit Weight: 3
Transcript Title: History of Housing
Calendar Title: History of Housing.
Description: Indigenous housing both transient and permanent, from the standpoint of individual structure and pattern of settlements. The principal historic examples of houses including housing in the age of industrial revolution and contemporary housing.
Notes: (2-0-7)
Prerequisite: ARCH 251 or permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 529
Credit Weight: 3
Transcript Title: Housing Theory
Calendar Title: Housing Theory.
Description: A review of environmental alternatives in housing; contemporary housing and the physical and sociological determinants that shape it; Canadian housing.
Notes: (2-0-7)
Prerequisite: ARCH 528 or permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 531
Credit Weight: 3
Transcript Title: Arch Int Vitruvius-Renaissance
Calendar Title: Architectural Intentions Vitruvius - Renaissance.
Description: Architectural intentions embodied in buildings and writings of architects from antiquity to the Renaissance. Special emphasis is placed on the cultural connections of architecture to science and philosophy.
Notes:
(2-0-7)
Prerequisite: ARCH 251

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 532
Credit Weight: 3
Transcript Title: Origins of Modern Architecture
Calendar Title: Origins of Modern Architecture.
Description:
Examination of architectural intentions (theory and practice) in the European context (especially France, Italy and England), during the crucial period that marks the beginning of the modern era.
Notes:
(2-0-7)
Prerequisite: ARCH 251

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 533
Credit Weight: 3
Transcript Title: New Approaches to Arch History
Calendar Title: New Approaches to Architectural History.
Description:
An exploration of the aims, tools, and methods of architectural history as a discipline.
Symbols: LIMT - Limited enrolment
INCL - Course was shown in the printed Calendar.
Notes:
(2-0-7)
Prerequisite: ARCH 251 or permission of instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 535
Credit Weight: 3
Transcript Title: Hist of Architecture in Canada
Calendar Title: History of Architecture in Canada.
Description:
French, British and American influences in the history of Canadian architecture, with particular emphasis on the Eastern Provinces. Site visits and case studies.
Symbols: ALTY - Taught in alternate years
Notes:
(3-0-6)
Prerequisite: ARCH 251 or permission of instructor.
Restriction: Not open to students who have taken ARCH 372

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 536
Credit Weight: 3
Transcript Title: Heritage Conservation  
Calendar Title: Heritage Conservation.  
Description: Historic attitudes and terminologies of conservation; historic research techniques. Restoration technology of building materials and principles of interior design in the 19th and 20th century; current preservation planning.  
Symbols: ALTY - Taught in alternate years  
Notes: (3-3-3)  
Site visits and case studies.  
Prerequisite: ARCH 251 or permission of instructor.  
Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 540  
Credit Weight: 3  
Transcript Title: Sel Topics in Architecture 1  
Calendar Title: Selected Topics in Architecture 1.  
Description: A course to allow the introduction of new topics in Architecture as needs arise, by regular and visiting staff.  
Notes: (2-0-7)  
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.  
Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 541  
Credit Weight: 3  
Transcript Title: Sel Topics in Architecture 2  
Calendar Title: Selected Topics in Architecture 2.  
Description: A course to allow the introduction of new topics in Architecture as needs arise, by regular and visiting staff.  
Notes: (2-0-7)  
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.  
Administering Faculty: Faculty of Engineering  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 542  
Credit Weight: 3  
Transcript Title: Selected Topics:Architecture 3  
Calendar Title: Selected Topics in Architecture 3.  
Description: Special topics related to architecture will be presented by core faculty and visiting lecturers.  
Notes: (2-0-7)
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.**

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Architecture  
**Status (catalog level):** Active

**ARCH 543**  
**Credit Weight:** 3  
**Transcript Title:** Selected Topics: Architecture 4  
**Calendar Title:** Selected Topics in Architecture 4.  
**Description:** Special topics related to architecture will be presented by core faculty and visiting lecturers.  
**Notes:**  
(2-0-7)  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Architecture  
**Status (catalog level):** Active

**ARCH 551**  
**Credit Weight:** 3  
**Transcript Title:** Urban Design and Planning  
**Calendar Title:** Urban Design and Planning.  
**Description:** Fundamentals of city-building in Canada relative to municipal, regional, and provincial actions used to guide urban growth and development. Contemporary urban design in major metropolitan centres as shaped by legal, political, and cultural realities. Current preoccupations in citybuilding: reurbanisation and adaptive reuse of infrastructure, collaborative multi-stakeholder projects, strategic initiatives, changing relationships between professional experts and grassroots actors. Introduction to specific aspects of practice: public participation and community engagement; land development and real estate; project feasibility and implementation; policy monitoring and evaluation; emergent city-building regimes.  
**Notes:**  
(3-0-6)  
**Restrictions:** Open only to M.Arch. students. Not open to students who are taking or who have taken ARCH 550 or URBP 550 or URBP 551.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Architecture  
**Status (catalog level):** Active

**ARCH 562**  
**Credit Weight:** 3  
**Transcript Title:** Innovative Homes & Communities  
**Calendar Title:** Innovative Homes and Communities.  
**Description:** Innovative design concepts for sustainable homes and communities to include adaptability; net-zero energy; micro units; recycling; plug and play; green roofs; aging in place and live-work.  
**Notes:**  
(2-0-7)  
**Prerequisite:** ARCH 304.  
**Restriction:** Not open to students who have taken ARCH 631.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Architecture
Status (catalog level): Active

ARCH 564
Credit Weight: 3
Transcript Title: Design for Development
Calendar Title: Design for Development.
Description: Designing for sustainable development to meet broad developmental goals. Innovative design approaches, strategies and projects to address these objectives via economic empowerment, food security, gender equity, health, sanitation, climate-change preparedness, and shelter-sector engagements.
Notes: (2-0-7)
Prerequisite: Permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 566
Credit Weight: 3
Transcript Title: Cultural Landscapes Seminar
Calendar Title: Cultural Landscapes Seminar.
Description: Overview of cultural landscapes studies, methodologies, and resources. Comparative studies of the connection between people, place, and artifact systems through a critical examination of architecture, regional context, and material culture. Examination of precedents for the interpretation of cultural landscapes by architects, ethnologists, anthropologists, folklorists, historians, writers, filmmakers, photographers, and artists.
Notes: (3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active

ARCH 600
Credit Weight: 0
Transcript Title: Adv Internship in Architecture
Calendar Title: Advanced Internship in Architecture.
Description: A period of architecture internship consistent with the terms of reference of the Canadian Internship in Architecture Program (IAP).
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 602
Credit Weight: 3
Transcript Title: Housing Seminar
Calendar Title: Housing Seminar.
Description: Advanced studies in housing: general preoccupations, theoretical antecedents, epistemological foundations, and practical techniques pertinent to contemporary theory and practice.
Notes: (2-1-6)
Restriction: Not open to students who have taken URBD 602.
Corequisite(s): ARCH 604

Architectural Faculty: Graduate Studies
Teaching Department: Architecture

Status (catalog level): Active

ARCH 603
Credit Weight: 6
Transcript Title: Urban Design & Housing Studio
Calendar Title: Urban Design and Housing Studio.
Description:
Comprehensive project in urban design and housing drawing on contemporary theory and practice.
Notes:
(2-6-10)
Architectural Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 604
Credit Weight: 3
Transcript Title: Urban Design Seminar
Calendar Title: Urban Design Seminar.
Description:
Advanced concepts and methods used in urban design, focusing on epistemological debates, practical techniques, and philosophical concerns that shape contemporary theory and practice in the field.
Notes:
(1-2-6)
Restriction: Not open to students who have taken URB 604.
Architectural Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 622
Credit Weight: 4
Transcript Title: Research Meth for Architecture
Calendar Title: Research Methods for Architecture.
Description:
Survey of research methods for students with professional training in architecture. Setting research questions; establishing hypotheses; choosing methodologies; understanding historical, design, and other research traditions; producing literature reviews; engaging architectural evidence; addressing research ethics; presenting findings.
Notes:
(2-1-9)
Architectural Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 623
Credit Weight: 3
Transcript Title: Project Preparation
Calendar Title: Project Preparation.
Description:
Guided background preparation for the project.
Notes:

(2-1-6)

**Administering Faculty:** Graduate Studies

**Teaching Department:** Architecture

**Status (catalog level):** Active

ARCH 624

**Credit Weight:** 15

**Transcript Title:** History & Theory Project

**Calendar Title:** History and Theory Project.

**Description:** Thematic, site-specific experimental design with an emphasis on process, including 1) survey/mapping and 2) preparation of text, drawings and models.

Notes:

(0-15-30)

**Administering Faculty:** Graduate Studies

**Teaching Department:** Architecture

**Status (catalog level):** Inactive

ARCH 626

**Credit Weight:** 4

**Transcript Title:** Critical Design Strategies

**Calendar Title:** Critical Design Strategies.

**Description:** Study of specific contemporary design practices with particular reference to their affinities with the development and current role of architectural criticism, art, literature, and philosophy.

Notes:

(3-0-9)

Restrictions: Departmental permission required. Not open to students who have taken ARCH 524.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Architecture

**Status (catalog level):** Active

ARCH 627

**Credit Weight:** 3

**Transcript Title:** Research Methods

**Calendar Title:** Research Methods.

**Description:** Survey of research methods relevant to architecture. Introduction to research ethics; differentiating between primary and secondary methods; contrasting macro- and micro-social approaches; setting research questions; undertaking literature scans; reviewing empirical findings by others; designing instruments and tools for primary research; conducting field research; presenting findings.

Notes:

(2-1-6)

Restriction: Open only to students enrolled in the M.Arch. (Professional), M.Arch. (Post-professional) and Ph.D. in Architecture programs.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Architecture

**Status (catalog level):** Active

ARCH 632

**Credit Weight:** 15

**Transcript Title:** UD&H Research Report
Calendar Title: Urban Design and Housing Research Report.
Description: An individual research report addressing interdisciplinary concerns in Urban Design and Housing.
Notes: Prerequisites: ARCH 604, ARCH 623
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 635
Credit Weight: 3
Transcript Title: Selected Topics in Housing 1
Calendar Title: Selected Topics in Housing 1.
Description: Special topics related to housing.
Notes: (3-0-6)
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 641
Credit Weight: 3
Transcript Title: Energy and Environments 1
Calendar Title: Energy and Environments 1.
Description: Examination of technical relationships among building materials, architectural proportions, thermoregulation strategies, and human capacity to mitigate and adapt to climate change.
Notes: (2-1-6)
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 642
Credit Weight: 3
Transcript Title: Energy and Environments 2
Calendar Title: Energy and Environments 2.
Description: Theories and methods for the energetic and environmental basis of architecture.
Notes: (3-0-6)
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 651
Credit Weight: 6
Transcript Title: Arch Hist & Theory Seminar 1
Calendar Title: Architectural History and Theory Seminar 1.
Description: First of four intensive seminars on the thematic study of modern architecture and its theoretical underpinnings as a response to technological, cultural, environmental, and philosophical challenges. Historiographic and design approaches
to architectural problems encountered from the pre-industrial age to contemporary post-industrial expansion.

Notes:
(4-0-14)
Corequisite(s): ARCH 652

Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 652
Credit Weight: 4
Transcript Title: Arch Hist & Theory Seminar 2
Calendar Title: Architectural History and Theory Seminar 2.
Description:
Second of four intensive seminars on the thematic study of modern architecture and its theoretical underpinnings as a response to technological, cultural, environmental, and philosophical challenges. Historiographic and design approaches to architectural problems encountered from the pre-industrial age to contemporary post-industrial expansion.

Notes:
(4-0-8)
Corequisite: ARCH 651

Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 652D1
Credit Weight: 2
Transcript Title: Arch Hist & Theory Seminar 2
Calendar Title: Architectural History and Theory Seminar 2.
Description:
Second of four intensive seminars on the thematic study of modern architecture and its theoretical underpinnings as a response to technological, cultural, environmental, and philosophical challenges. Historiographic and design approaches to architectural problems encountered from the pre-industrial age to contemporary post-industrial expansion.

Notes:
Students must register for both ARCH 652D1 and ARCH 652D2
No credit will be given for this course unless both ARCH 652D1 and ARCH 652D2 are successfully completed in consecutive terms
ARCH 652D1 and ARCH 652D2 together are equivalent to ARCH 652
Prerequisite: ARCH 651

Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Inactive

ARCH 652D2
Credit Weight: 2
Transcript Title: Arch Hist & Theory Seminar 2
Calendar Title: Architectural History and Theory Seminar 2.
Description:
See ARCH 652D1 for course description.

Notes:
Prerequisite: ARCH 652D1
No credit will be given for this course unless both ARCH 652D1 and ARCH 652D2 are successfully completed in consecutive terms
ARCH 652D1 and ARCH 652D2 together are equivalent to ARCH 652
Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Inactive

ARCH 653  
Credit Weight: 4  
Transcript Title: Arch Hist & Theory Seminar 3.  
Calendar Title: Architectural History and Theory Seminar 3.  
Description: Third of four intensive seminars on the thematic study of modern architecture and its theoretical underpinnings as a response to technological, cultural, environmental, and philosophical challenges. Historiographic and design approaches to architectural problems encountered from the pre-industrial age to contemporary post-industrial expansion.  
Notes: (4-0-8)  
Prerequisite(s): ARCH 652  
Corequisite(s): ARCH 654

Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 654  
Credit Weight: 6  
Transcript Title: Arch Hist & Theory Seminar 4  
Calendar Title: Architectural History and Theory Seminar 4.  
Description: Last of four intensive seminars on the thematic study of modern architecture and its theoretical underpinnings as a response to technological, cultural, environmental, and philosophical challenges. Historiographic and design approaches to architectural problems encountered from the pre-industrial age to contemporary post-industrial expansion.  
Notes:  
Prerequisite(s): ARCH 652  
Corequisite(s): ARCH 653  
Restriction(s): Not open to students who have taken ARCH 650. (4-0-14)

Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 670  
Credit Weight: 3  
Transcript Title: Advanced Landscape Theory  
Calendar Title: Advanced Landscape Theory.  
Description: Landscape as both process and medium linking human history and environmental change. Abiotic and biotic processes. Conceptualizations of nature, ecology, and landscape. Climate change and other anthropogenic impacts. Design as discipline-transcending work at multiple scales.  
Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 672  
Credit Weight: 9
Transcript Title: Architectural Design Studio 1  
Calendar Title: Architectural Design Studio 1.  
Description:  
Comprehensive design investigation of interrelated architectural-engineering-landscape concepts and systems; development and application of design methods fit for the changing climates and conditions of this century.  
Notes:  
(0-9-18)  
Corequisite: ARCH 678.  
Restriction: Open only to students enrolled in M.Arch. (Professional) program.  
Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 673  
Credit Weight: 9  
Transcript Title: Architectural Design Studio 2  
Calendar Title: Architectural Design Studio 2.  
Description:  
A project-based graduate studio focused on the integration of skills and research to tackle contemporary global issues in architecture and urban design.  
Notes:  
(0-12-15)  
Continuation of ARCH 672.  
Prerequisite: ARCH 672.  
Restriction: Open only to students enrolled in M.Arch. (Professional) program.  
Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 674  
Credit Weight: 3  
Transcript Title: Professional Practice 1  
Calendar Title: Professional Practice 1.  
Description:  
The Professional Code, the Architect's Act and the architect's responsibilities to clients, colleagues and society, including professional ethics, responsibility in design, contractual arrangements, business conduct, construction supervision, issuing of certificates, construction and project management, concepts of architectural specification writing, building costs and life cycle costing.  
Notes:  
(3-0-6)  
Restriction: Not open to students who have taken ARCH 674, ARCH 675 or ARCH 676 prior to 200509.  
Administering Faculty: Graduate Studies  
Teaching Department: Architecture  
Status (catalog level): Active

ARCH 675  
Credit Weight: 3  
Transcript Title: Architecture in Global Persp  
Calendar Title: Architecture in Global Perspective.  
Description:  
Global history of architecture and urbanism, examining contemporary cities with an architectural lens. Case studies are presented to develop capacities for critical
analysis of the built environment. Key ideas and ongoing debates on urbanism and architectural design.

Notes:
Administration Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 676
Credit Weight: 9
Transcript Title: Advanced Architectural Design
Calendar Title: Advanced Architectural Design.
Description:
Research and design-based graduate studio focused on investigation of architectural and urban issues.
Notes:
(12-0-15)
Prerequisite(s): ARCH 673
Restrictions: Open only to students enrolled in M.Arch. (Professional); Non-Thesis program.
Administration Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 677
Credit Weight: 9
Transcript Title: Architectural Design 3
Calendar Title: Architectural Design 3.
Description:
Research and design-based graduate studio focused on individual self-initiated investigation of architectural and urban issues.
Notes:
(2-10-15)
Prerequisite: ARCH 673
Restriction: Open only to students enrolled in M.Arch. (Professional) Non-Thesis; Design Studio.
Administration Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 678
Credit Weight: 3
Transcript Title: Advanced Construction
Calendar Title: Advanced Construction.
Description:
An exploration of construction in relation to architectural design; research in advanced methods of construction and structure related to design problems and built projects; appropriate technologies and alternatives.
Notes:
(2-0-7)
Administration Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 680
Credit Weight: 2
Transcript Title: Field Sketching
Calendar Title: Field Sketching.
Description:
Seven days of supervised field sketching in selected locations outside Montreal. The course reinforces traditional skills in observation, notebook recording and architectural sketching. Students are encouraged to approach the subject critically and thematically, and to treat sketching as a mechanism for documenting experience and expressing their knowledge of the environment.

Notes:
(15-40-6)
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 681
Credit Weight: 1
Transcript Title: Directed Research Project Prep
Calendar Title: Directed Research Project Preparation.
Description:
An architectural design proposition defined through bibliographic research, site selection, program development, identification of a methodology, and a theoretical approach established.

Notes:
(0-0-3)
Prerequisite: ARCH 673.
Restriction: Open only to students enrolled in M.Arch. (Professional) Non-Thesis; Design Studio - Directed Research.
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 683
Credit Weight: 9
Transcript Title: Directed Research Project
Calendar Title: Directed Research Project.
Description:
Design-based research project focused on scholarly investigation and the presentation of results in appropriate graphic and written form.

Notes:
(12-0-15)
Prerequisite: ARCH 676
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 684
Credit Weight: 3
Transcript Title: Contemporary Theory 1
Calendar Title: Contemporary Theory 1.
Description:
Seminar exploring critical readings in architectural design and research.

Notes:
(3-0-6)
Restriction: Only open to students enrolled in a Master's program offered by the School.
Note: A variety of topics will be chosen for the seminar each year.
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 685
Credit Weight: 3
Transcript Title: Contemporary Theory 2
Calendar Title: Contemporary Theory 2.
Description: Seminar exploring critical readings in architectural design and research.
Notes: (3–0–6)
Restriction: Only open to students enrolled in a Master's program offered by the School.
Note: A variety of topics will be chosen for the seminar each year.
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 688
Credit Weight: 3
Transcript Title: Directed Research 1
Calendar Title: Directed Research 1.
Description: Directed research in topics of specialized areas of architecture and design practice.
Notes: (0–0–9)
Prerequisite: Permission of instructor.
Restriction(s): Open only to students enrolled in M.Arch. (Professional) Non-Thesis; Design Studio - Directed Research.
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 689
Credit Weight: 3
Transcript Title: Directed Research 2
Calendar Title: Directed Research 2.
Description: Directed research in topics of specialized areas of architecture and design practice.
Notes: (0–0–9)
Prerequisite(s): ARCH 688 and permission of instructor
Restriction: Open only to students enrolled in M.Arch. (Professional) Non-Thesis; Studio Design - Directed Research.
Administering Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 700
Credit Weight: 0
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description: Development of a research proposal and a comprehensive framework for the doctoral thesis.
**ARCH 701**
**Credit Weight:** 0
**Transcript Title:** Comprehensive Examination
**Calendar Title:** Comprehensive Examination.
**Description:**
Presentation of a comprehensive literature review paper, covering material that is central to the student's doctoral research, with an oral defense before the Doctoral Advisory Committee.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Architecture
**Status (catalog level):** Active

**ARCH 702**
**Credit Weight:** 0
**Transcript Title:** Dissertation Report 1
**Calendar Title:** Dissertation Report 1.
**Description:**
Submission of work in progress on the dissertation with a presentation to the Doctoral Advisory Committee.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Architecture
**Status (catalog level):** Active

**ARCH 703**
**Credit Weight:** 0
**Transcript Title:** Dissertation Report 2
**Calendar Title:** Dissertation Report 2.
**Description:**
Submission and presentation of the final draft version of the dissertation to the Doctoral Advisory Committee.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Architecture
**Status (catalog level):** Active

**ARCH 711**
**Credit Weight:** 3
**Transcript Title:** Doctoral Proseminar 1
**Calendar Title:** Doctoral Proseminar 1.
**Description:**
Major issues and themes in architectural research.

**Notes:**
Restriction: Not open to students who have taken ARCH 711D1 and ARCH 711D2

**Administering Faculty:** Graduate Studies
**Teaching Department:** Architecture
**Status (catalog level):** Active

**ARCH 712**
**Credit Weight:** 3
**Transcript Title:** Doctoral Proseminar 2
**Calendar Title:** Doctoral Proseminar 2.
**Description:**
Further exploration of major issues and themes in architectural research.
Notes:
Prerequisite: ARCH 711
Restriction: Not open to students who have taken ARCH 712D1 and ARCH 712D2.
Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 721
Credit Weight: 3
Transcript Title: Literature Review 1
Calendar Title: Literature Review 1.
Description:
Literature review covering the first of three fields as identified by the student in consultation with the supervisory committee.
Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 722
Credit Weight: 3
Transcript Title: Literature Review 2
Calendar Title: Literature Review 2.
Description:
Literature review covering the second of three fields as identified by the student in consultation with the supervisory committee.
Notes:
Prerequisite: ARCH 721.
Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active

ARCH 723
Credit Weight: 3
Transcript Title: Literature Review 3
Calendar Title: Literature Review 3.
Description:
Literature review covering the third of three fields as identified by the student in consultation with the supervisory committee.
Notes:
Prerequisite: ARCH 722.
Administrating Faculty: Graduate Studies
Teaching Department: Architecture
Status (catalog level): Active
ARTE 700
Credit Weight: 3
Transcript Title: Seminar: Teaching Humanities
Calendar Title: Seminar: Teaching Humanities.
Description:
Introduction to university teaching and learning issues, methods, and traditions that are specific to humanities disciplines, focusing on what successful teaching looks like in the humanities from a theoretical point of view.
Notes:
Prerequisite: Permission of the instructor.
Restrictions: Only open to Ph.D. students in the Faculty of Arts who have successfully completed comprehensive examinations or equivalent. Not open to students who have taken PHIL 702.
Supplementary Calendar Info: Course is open to students in all disciplines within the Faculty of Arts, though topics are tailored to the teaching of humanities fields.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active
ARTH 199

Credit Weight: 3
Transcript Title: FYS: Themes in Art History
Calendar Title: FYS: Themes in Art History.
Description:
An introduction to a selected theme in art history.
Notes:
Topics will vary from year to year.
Restriction: Open only to students in U0 or U1. Students may take only one First Year Seminar.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 200

Credit Weight: 3
Transcript Title: Introduction to Art History 1
Calendar Title: Introduction to Art History 1.
Description:
Selected introductory survey of the history of art.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 202

Credit Weight: 3
Transcript Title: Intro to Contemporary Art
Calendar Title: Introduction to Contemporary Art.
Description:
A critical survey of contemporary art and theory, from 1945 to the present focusing on pivotal issues such as anti-war politics, feminism, sexual diversity, AIDS awareness, discourse of multiculturalism, debates about modernism and postmodernism, post colonialism, technology, and globalization.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 204

Credit Weight: 3
Transcript Title: Intro to Medieval Art & Arch
Calendar Title: Introduction to Medieval Art and Architecture.
Description:
Surveys the arts from late Antiquity to the fourteenth century in Western Europe. Focuses on the body and space to introduce artistic and architectural concepts, practices, and styles from the late Roman, Byzantine and Carolingian empires to monastic and royal patronage of the French Kings.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 205

Credit Weight: 3
Transcript Title: Introduction to Modern Art
Calendar Title: Introduction to Modern Art.
Description:
The course is an introduction to the modern period in art history which begins around 1750. It examines the development in both painting and sculpture and
relates to changes in the social and political climate of the times.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 207
Credit Weight: 3
Transcript Title: Intro Early Mod. Art 1400-1700
Calendar Title: Introduction Early Modern Art 1400-1700.
Description:
Surveys visual culture of early modern Europe across various social spheres and geographical locations.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 209
Credit Weight: 3
Transcript Title: Intro to Ancient Art and Arch
Calendar Title: Introduction to Ancient Art and Architecture.
Description:
Survey of ancient art and architecture: pre-historic Europe, ancient Egypt, Greece and Rome. Focus is on issues of political power, gender, sexuality, race, the formation of individual and group identities, and the relation between the body and social space.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 215
Credit Weight: 3
Transcript Title: Introduction to East Asian Art
Calendar Title: Introduction to East Asian Art.
Description:
Introductory survey of some of the major developments in the visual arts of Japan, China, and Korea. Emphasis will be placed on the diversity of artistic traditions in East Asia and the intersections among these traditions.
Notes:
Restriction: Not open to students taking or who have taken EAST 215.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 223
Credit Weight: 3
Transcript Title: Intro Ital Renai Art 1300-1500
Calendar Title: Introduction Italian Renaissance Art 1300-1500.
Description:
Surveys the changing role of the artwork in Renaissance Italy in its social, political, and religious contexts.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active
**ARTH 225**
Credit Weight: 3  
Transcript Title: Intro to 17th-Century Art  
Calendar Title: Introduction to Seventeenth - Century Art.  
Description:  
Examines the functions and uses of a wide range of visual forms in relation to the European and global expansion of urbanism, absolutism, colonialism, capitalism, diplomacy, slavery, missionary activity, and religious conflict in the seventeenth century.  
Administering Faculty: Faculty of Arts  
Teaching Department: Art History & Communications  
Status (catalog level): Active

**ARTH 226**
Credit Weight: 3  
Transcript Title: Intro to 18th C. Art & Arch  
Calendar Title: Introduction to Eighteenth-Century Art and Architecture.  
Description:  
Paintings, prints, sculpture and architecture produced in Europe in the 'long' eighteenth century, with an emphasis on major artists. Themes include the teaching of art and its display, the emergence of 'publics' for art, and eighteenth-century aesthetics.  
Notes:  
Restriction: Not open to students who have taken ARTH 334.  
Administering Faculty: Faculty of Arts  
Teaching Department: Art History & Communications  
Status (catalog level): Active

**ARTH 300**
Credit Weight: 3  
Transcript Title: Canadian Art to 1914  
Calendar Title: Canadian Art to 1914.  
Description:  
Canadian art from the pre-contact period through the colonial and nation-building centuries until the onset of the First World War. Emphasis will be placed on the diverse cultural influences that have been brought into contact in Canada.  
Administering Faculty: Faculty of Arts  
Teaching Department: Art History & Communications  
Status (catalog level): Active

**ARTH 302**
Credit Weight: 3  
Transcript Title: Aspects of Canadian Art  
Calendar Title: Aspects of Canadian Art.  
Description:  
An examination of selected subjects relevant to a specific period of art in Canada.  
Notes:  
Administering Faculty: Faculty of Arts  
Teaching Department: Art History & Communications  
Status (catalog level): Active

**ARTH 305**
Credit Weight: 3  
Transcript Title: Methods in Art History
Calendar Title: Methods in Art History.
Description: An introduction to the main methodologies used in the analysis of the work of art: formalism, iconography/iconology, semiotics, structuralism, post-structuralism, deconstruction, psychoanalysis, Marxism, feminism and postcolonialism.
Notes: Prerequisite: Any 200-level Art History course, or by permission of the instructor. Restriction: Restricted to students in the Major, Minor, Honours and Joint Honours programs in Art History. 
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 310
Credit Weight: 3
Transcript Title: Postcolonialism
Calendar Title: Postcolonialism.
Description: Examines selected art historians who respond to postcolonial theorists and analyse how paintings, sculpture, buildings, and visual culture participated in or resisted European imperialism in the nineteenth and twentieth centuries. 
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 314
Credit Weight: 3
Transcript Title: The Medieval City
Calendar Title: The Medieval City.
Description: Towns and cities in the Middle Ages as architectural entities, their urban planning and development; main building types, profane and ecclesiastical: castle, defence works, town halls, houses, cathedrals, churches and monasteries; the role architecture played in forming a society. 
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 315
Credit Weight: 3
Transcript Title: Indigenous Art and Culture
Calendar Title: Indigenous Art and Culture.
Description: An examination of the work of selected First Nations, Métis and Inuit artists in Canada.
Notes: Restriction(s): Not open to students who have taken or are taking CANS 315 or have taken "Aboriginal Art and Culture" as a CANS or ARTH topics course. 
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 321
Credit Weight: 3
Transcript Title: Visual Culture-Dutch Republic
Calendar Title: Visual Culture of the Dutch Republic.
Description:
Examination of the functions of visual culture in merchant capitalist society, and the changing status of art, artists and patrons after the Protestant reformation. A wide range of visual imagery (from Rembrandt and Vermeer to popular culture) will be linked with 17th-century economic, historic, religious, colonial, scientific and literary developments.
Notes:
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 323
Credit Weight: 3
Transcript Title: Realism & Impressionism
Calendar Title: Realism and Impressionism.
Description:
The course is an investigation into Realism and Impressionism, the principal artistic movements between ca. 1840 - 1880.
Notes:
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 325
Credit Weight: 3
Transcript Title: Vis Culture Renaissance Venice
Calendar Title: Visual Culture Renaissance Venice.
Description:
Distinctive visual culture in the context of Venice's singular topography and reputation for licentiousness and toleration.
Notes:
Prerequisite: one 200-level Art History course recommended, or by permission of the instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 326
Credit Weight: 3
Transcript Title: St in Manuscript & Print Cult
Calendar Title: Studies in Manuscript and Print Culture.
Description:
Positing a dynamic relationship between manuscript and print culture and social experience, this course focuses on new forms and uses for printed imagery before the electronic age. Issues to be addressed include: the relationship between word and image, reading and viewing practices and visual and textual transmission, the history of the book and the consequences of technological change.
Notes:
Prerequisite: one 200-level Art History course or by permission of the instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 336
Credit Weight: 3
Transcript Title: Art Now
Calendar Title: Art Now.
Description:
Recent art practices from the 1980's to the present - installation art, new media
arts (video, digital and internet art), recent developments in performance,
photography, and painting. Introduces students to the key fields of research of
current art: postmodernism, representation, visuality, identity, embodiment,
sexuality, memory, (bio)technology, intermedia, and globalization.
Notes:
Prerequisite: One 200-level Art History course or by permission of the
instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 338
Credit Weight: 3
Transcript Title: Modern Art and Theory: WWI-WWII
Calendar Title: Modern Art and Theory: WWI - WWII.
Description:
An examination of the historical avant-garde (dada, soviet constructionism, and
surrealism), Duchamp, and abstraction up to Abstract Expressionism. Examines how
post-WWI art practices negotiate the intertwining of aesthetics and revolution,
art and mass culture, modernism and modernity, imagined and material space, gender
and sexuality, horizontality and verticality.
Notes:
Prerequisite: one 200-level Art History course recommended, or by permission of
the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 339
Credit Weight: 3
Transcript Title: Critical Issues - Contemporary Art
Calendar Title: Critical Issues - Contemporary Art.
Description:
A critical examination of contemporary art from Abstract Expressionism to Pop art,
Minimalism, Conceptual art, Land art, and Body art. Focuses on the development and
critique of modernism, the dematerialization or art, the blurring of art and
popular culture, the artist as shaman, temporality, and aesthetic redefinitions of
subjectivity.
Notes:
Prerequisite: one 200-level Art History course recommended, or by permission of
the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 352
Credit Weight: 3
Transcript Title: Feminism in Art & Art History
Calendar Title: Feminism in Art and Art History.
Description:
A consideration of the impact of feminism on recent art history, focusing on the
examination of gender constructions in art and theory.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**ARTH 353**

**Credit Weight:** 3

**Transcript Title:** Selected Topics in Art Hist 1

**Calendar Title:** Selected Topics in Art History 1.

**Description:**
Study of a special field in the History of Art and Architecture taught by a visiting scholar.

**Notes:**

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**ARTH 354**

**Credit Weight:** 3

**Transcript Title:** Selected Topics Art History 2

**Calendar Title:** Selected Topics Art History 2.

**Description:**
Study of a special field in the History of Art and Communications.

**Notes:**

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**ARTH 356**

**Credit Weight:** 3

**Transcript Title:** Modern & Contemp. Chinese Art

**Calendar Title:** Modern and Contemporary Chinese Art.

**Description:**
Examination of modern Chinese art and visual culture from the 1920's to the present. Emphasis will be placed on the formation of the artistic avant-garde in the 20th century and its relation to socialist and post-socialist mass culture.

**Notes:**
Restrictions: Not open to students taking or who have taken EAST 356.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**ARTH 357**

**Credit Weight:** 3

**Transcript Title:** Early Chinese Art

**Calendar Title:** Early Chinese Art.

**Description:**
Survey of Chinese art and visual culture during the pre-imperial and early imperial periods (1500BCE-900CE). A wide range of visual images and media (painting, architecture, inscription, funerary art) will be examined in the historical context of the rise and development of the empire.

**Notes:**
Prerequisite: One 200-level Art History or East Asian Studies course, or by permission of instructor.
Restriction: Not open to students taking or who have taken EAST 357.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Art History & Communications
Status (catalog level): Active

ARTH 358
Credit Weight: 3
Transcript Title: Later Chinese Art (960-1911)
Calendar Title: Later Chinese Art (960-1911).
Description:
Survey of art and visual culture in later imperial China from Song to Qing dynasties. A broad range of media (e.g. painting, calligraphy, print, architecture) will be examined to explore the development of literati aesthetics and its intersections with the arts of the court, the temple, and the marketplace.
Notes:
Prerequisite: One 200-level Art History or East Asian Studies course, or by permission of Instructor.
Restriction: Not open to students who are taking or have taken EAST 358.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 360
Credit Weight: 3
Transcript Title: Studies in the Photographic
Calendar Title: Studies in the Photographic.
Description:
The course provides an introduction to the history of photography while considering its relation to major movements in the history of painting from the time of the invention of photography, in 1839, to the present day.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 368
Credit Weight: 3
Transcript Title: Studies in Northern Renaissance Art 01
Calendar Title: Studies in Northern Renaissance Art 01.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 400
Credit Weight: 3
Transcript Title: Selected Methods: Art History
Calendar Title: Selected Methods in Art History.
Description:
A seminar course dealing with methodological and historiographical issues in Art History.
Notes:
Prerequisite: ARTH 305, or permission of instructor
Corequisite: ARTH 401
Restriction: For Honours and Joint Honours Art History students only.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 401
Credit Weight: 3
Transcript Title: Honours Research Paper
Calendar Title: Honours Research Paper.
Description: An Honours research paper written in consultation with an academic advisor.
Notes: Prerequisite: ARTH 305, or permission of the instructor.
Corequisite: ARTH 400.
Restrictions: For Honours and Joint Honours Art History students only.
administering faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 411
Credit Weight: 3
Transcript Title: Canadian Art and Race
Calendar Title: Canadian Art and Race.
Description: Examination of impact of colonialism on Canadian art and visual culture from contact to the present. Emphasis will be placed on role of racial marginalization and privilege in issues of cultural access, representation, production and reception.
Notes: Prerequisite(s): One 300-level Art History course recommended, or by permission of the instructor.
Restriction(s): Not open to students who have taken ARTH 420 or ARTH 421 when the topic was "Canadian Art and Race".
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 420
Credit Weight: 3
Transcript Title: Sel Top in Art & Arch 1
Calendar Title: Selected Topics in Art and Architecture 1.
Description: An advanced study of selected topics in the History of Art and Architecture.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 421
Credit Weight: 3
Transcript Title: Sel Top in Art & Arch 2
Calendar Title: Selected Topics in Art and Architecture 2.
Description: Selected topics in art and architecture. Topics vary by year.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 422
Credit Weight: 3
Transcript Title: Sel Top in Art & Arch 3
Calendar Title: Selected Topics in Art and Architecture 3.
Description:
Selected topics in art and architecture. Topics vary by year.

Notes:
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 425
Credit Weight: 3
Transcript Title: Arts of Medieval Spain
Calendar Title: Arts of Medieval Spain.
Description:
This course examines the arts of medieval Spain from the late antique 'barbarian' invasions through the fifteenth century. Within this broad span, particular attention will be paid to key themes, including historiography, the centrality of pilgrimage for shaping artistic practice, and the concept of 'convivencia' among Christians, Muslims, and Jews.
Notes:
Prerequisite: Any 300-level course or permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 430
Credit Weight: 3
Transcript Title: Concepts-Discipline Art Hist
Calendar Title: Concepts - Discipline Art History.
Description:
Methodologically focused examination of critical concepts for art historical study.
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 435
Credit Weight: 3
Transcript Title: Early Modern Visual Culture
Calendar Title: Early Modern Visual Culture.
Description:
A study of the works of Rubens, Van Dick and Velasquez.
Notes:
Prerequisite: one 300-level Art History course recommended, or by permission of the instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 440
Credit Weight: 3
Transcript Title: The Body and Visual Culture
Calendar Title: The Body and Visual Culture.
Description:
An examination of modern and contemporary redefinitions of corporeality in art, theory and visual culture. The course focuses on the dissemination of the body in the context of late capitalism and ongoing developments of image, information and biotechnologies. Interdisciplinary perspective establishing a dialogue between art
and science.

Notes:
Restriction: Not open to students who have taken ARTH 510.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 447
Credit Weight: 3
Transcript Title: Independent Research Course
Calendar Title: Independent Research Course.
Description:
Supervised independent research on an approved topic.
Notes:
Prerequisite: permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 457
Credit Weight: 3
Transcript Title: Brushwork in Chinese Painting
Calendar Title: Brushwork in Chinese Painting.
Description:
The seminar takes an in-depth look at the function and meaning of the brushwork in traditional Chinese painting. Analysis of paintings will be combined to close readings of theoretical texts in translation.
Notes:
Prerequisite: At least one EAST or ARTH course or permission of instructor.
Restriction: Not open to students taking or who have taken EAST 457.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 473
Credit Weight: 3
Transcript Title: Studs:17th & Early 18th C Art 04
Calendar Title: Studies in 17th and Early 18th Century Art 04.
Description:
Studies in 17th and early 18th century art.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 474
Credit Weight: 3
Transcript Title: Studs: Later 18th & 19th C Art 03
Calendar Title: Studies in Later 18th and 19th Century Art 03.
Description:
Studies in later 18th and early 19th-century art.
Notes:
Prerequisite: Any 200-level Art History course or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active
ARTH 490
Credit Weight: 3
Transcript Title: Museum Internship
Calendar Title: Museum Internship.
Description:
The Museum Internship is intended to provide direct exposure to museum collections and practical experience in the museum setting for students interested in museum professions. Individually designed in consultation with the professor in charge of internships and the appropriate personnel at one of the Montreal museums.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 501
Credit Weight: 3
Transcript Title: Adv Topics:AH & Visual Culture
Calendar Title: Advanced Topics in Art History and Visual Culture.
Description:
Focused investigation of a special topic in the history of art and visual culture.
Notes:
Restriction: Open to graduate students at the MA and PhD levels and advanced undergraduates.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 502
Credit Weight: 3
Transcript Title: Adv Topics:Art & Architrl Hist
Calendar Title: Advanced Topics in Art and Architectural History.
Description:
Focused investigation of a special topic in the history of art and architecture.
Notes:
Restriction: Open to graduate students at the MA and PhD levels and to advanced undergraduates.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 600
Credit Weight: 3
Transcript Title: Advanced Pro-Seminar
Calendar Title: Advanced Professional Seminar.
Description:
A seminar course for M.A. and Ph.D. students dealing with methodological issues in Art History.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 606
Credit Weight: 3
Transcript Title: Research Paper Preparation
Calendar Title: Research Paper Preparation.
Description:
A directed reading course related to a student's specific area of research.

**Notes:**
Restriction: For MA Art History non-thesis students only.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**ARTH 607**

**Credit Weight:** 3

**Transcript Title:** Research Paper Proposal

**Calendar Title:** Research Paper Proposal.

**Description:**
A proposal prepared in consultation with an advisor, detailing the research to be pursued, defining the particular argument to be advanced in the research paper and indicating the methodology to be employed.

**Notes:**
Prerequisite: ARTH 606.
Restriction: For M.A. Art History non-thesis students only.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**ARTH 608**

**Credit Weight:** 6

**Transcript Title:** Research Paper 1

**Calendar Title:** Research Paper 1.

**Description:**
An extended research project, pursued under supervision of a member of the Department.

**Notes:**
Prerequisites: ARTH 606 and ARTH 607.
Restriction: For M.A. Art History non-thesis students only.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**ARTH 609**

**Credit Weight:** 6

**Transcript Title:** Research Paper 2

**Calendar Title:** Research Paper 2.

**Description:**
The continuation of an extended research project, pursued under supervision of a member of the Department.

**Notes:**
Prerequisites: ARTH 606 and ARTH 607. ARTH 608 as prerequisite or corequisite.
Restriction: For M.A. Art History non-thesis students only.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**ARTH 618**

**Credit Weight:** 3

**Transcript Title:** Art History - 1400 to 1900 1

**Calendar Title:** Art History - 1400-1900 1.

**Description:**
Selected topics in art history from 1400 to 1900.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 630
Credit Weight: 3
Transcript Title: Directed Reading 1
Calendar Title: Directed Reading 1.
Description: Directed reading.

ARTH 645
Credit Weight: 3
Transcript Title: Medieval Art and Archaeology
Calendar Title: Medieval Art and Archaeology.
Description: Selected topics in medieval art history.

ARTH 646
Credit Weight: 3
Transcript Title: Topics: Chinese Visual Culture
Calendar Title: Topics: Chinese Visual Culture.
Description: Topics in Chinese visual culture.

ARTH 647
Credit Weight: 3
Transcript Title: Topics: Renaissance Art & Architecture 1
Calendar Title: Topics: Renaissance Art and Architecture 1.
Description: Topics in Renaissance art and architecture.

ARTH 653
Credit Weight: 3
Transcript Title: Topics: Early Modern Visual Culture 1
Calendar Title: Topics: Early Modern Visual Visual Culture 1.
Description: Topics in early modern visual culture.

ARTH 654
Credit Weight: 3
Transcript Title: Topics: Early Mod Vis Culture 2
Calendar Title: Topics: Early Modern Visual Culture 2.
Description:
Topics in early modern visual culture.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 660
Credit Weight: 3
Transcript Title: Contemporary Art & Criticism 1
Calendar Title: Contemporary Art and Criticism 1.
Description:
Topics in contemporary art and criticism.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 661
Credit Weight: 3
Transcript Title: Contemporary Art & Criticism 2
Calendar Title: Contemporary Art and Criticism 2.
Description:
Topics in contemporary art and criticism.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 675
Credit Weight: 3
Transcript Title: Topics: 19th-C Art & Architecture 1
Calendar Title: Topics: 19th-Century Art and Architecture 1.
Description:
Topics in 19th-century art and architecture.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 678
Credit Weight: 3
Transcript Title: Topics: 19th-C Art & Architecture 2
Calendar Title: Topics: 19th-Century Art and Architecture 2.
Description:
Topics in 19th-century art and architecture.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 698
Credit Weight: 12
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
For the completion of thesis research.
Notes:
Restriction: No credit will be given for this course unless both ARTH 698 and
ARTH 699 are successfully completed.  
Administering Faculty: Graduate Studies  
Teaching Department: Art History & Communications  
Status (catalog level): Active

ARTH 699  
Credit Weight: 12  
Transcript Title: Thesis Research 2  
Calendar Title: Thesis Research 2.  
Description: Supervised independent research work on an approved topic relating to thesis preparation.  
Notes:  
Prerequisite: ARTH 698.  
Restriction: No credit will be given for this course unless both ARTH 698 and ARTH 699 are successfully completed.  
Administering Faculty: Graduate Studies  
Teaching Department: Art History & Communications  
Status (catalog level): Active

ARTH 701  
Credit Weight: 0  
Transcript Title: Ph.D. Comprehensive Exam  
Calendar Title: Ph.D. Comprehensive Examination.  
Description: Compulsory examination for all doctoral candidates.  
Administering Faculty: Graduate Studies  
Teaching Department: Art History & Communications  
Status (catalog level): Active

ARTH 701D1  
Credit Weight: 0  
Transcript Title: Ph.D. Comprehensive Exam  
Calendar Title: Ph.D. Comprehensive Examination.  
Description: Compulsory examination for all doctoral candidates.  
Notes:  
Students must register for both ARTH 701D1 and ARTH 701D2  
No credit will be given for this course unless both ARTH 701D1 and ARTH 701D2 are successfully completed in consecutive terms  
ARTH 701D1 and ARTH 701D2 together are equivalent to ARTH 701  
Administering Faculty: Graduate Studies  
Teaching Department: Art History & Communications  
Status (catalog level): Active

ARTH 701D2  
Credit Weight: 0  
Transcript Title: Ph.D. Comprehensive Exam  
Calendar Title: Ph.D. Comprehensive Examination.  
Description: See ARTH 701D1 for course description.  
Notes:  
Prerequisite: ARTH 701D1  
No credit will be given for this course unless both ARTH 701D1 and ARTH 701D2 are successfully completed in consecutive terms  
ARTH 701D1 and ARTH 701D2 together are equivalent to ARTH 701  
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 701N1
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description:
Compulsory examination for all doctoral candidates.
Notes:
Students must also register for ARTH 701N2
No credit will be given for this course unless both ARTH 701N1 and ARTH 701N2 are successfully completed in a twelve month period
ARTH 701N1 and ARTH 701N2 together are equivalent to ARTH 701
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 701N2
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description:
See ARTH 701N1 for course description.
Notes:
Prerequisite: ARTH 701N1
No credit will be given for this course unless both ARTH 701N1 and ARTH 701N2 are successfully completed in a twelve month period
ARTH 701N1 and ARTH 701N2 together are equivalent to ARTH 701
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 714
Credit Weight: 3
Transcript Title: Directed Reading 2
Calendar Title: Directed Reading 2.
Description:
Directed reading.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 723
Credit Weight: 3
Transcript Title: Art Criticism 1
Calendar Title: Art Criticism 1.
Description:
Topics in art criticism.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 724
Credit Weight: 3
Transcript Title: Art Criticism 2
Calendar Title: Art Criticism 2.
Description: Topics in art criticism.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 725
Credit Weight: 3
Transcript Title: Methods in Art History 1
Calendar Title: Methods in Art History 1.
Description: Critical examination of art historical methods.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

ARTH 731
Credit Weight: 3
Transcript Title: Current Problems in Art History 2
Calendar Title: Current Problems in Art History 2.
Description: Current problems in art history.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active
ASPL 613
Credit Weight: 3
Transcript Title: Gov't Regulation of Air Transp
Calendar Title: Government Regulation of Air Transport.
Description:
Economic regulation of air transport and navigation, deregulation, liberalization, open skies. Economic and regulatory theories, competition, anti-trust regulation. Status, negotiation, and implementation of international agreements on air services.
Government Regulation of Air Transport
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 614
Credit Weight: 3
Transcript Title: Airline Business and Law
Calendar Title: Airline Business and Law.
Description:
Interdisciplinary analysis of the legal issues confronting airlines in such areas as economics, finance, securities, bankruptcy, pricing, marketing, distribution, alliances, joint-ventures and competition.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 632
Credit Weight: 3
Transcript Title: Comparative Air Law
Calendar Title: Comparative Air Law.
Description:
Comparative approaches to air law. Selected problems of private law not codified by international conventions including product liability; government liability for certification and inspection of aircraft; ATC liability; aviation insurance; fleet financing; leasing.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 632D1
Credit Weight: 1.5
Transcript Title: Comparative Air Law
Calendar Title: Comparative Air Law.
Description:
Comparative approaches to air law. Selected problems of private law not codified by international conventions including product liability; government liability for certification and inspection of aircraft; ATC liability; aviation insurance; fleet financing; leasing.
Notes:
Students must register for both ASPL 632D1 and ASPL 632D2
No credit will be given for this course unless both ASPL 632D1 and ASPL 632D2 are successfully completed in consecutive terms
ASPL 632D1 and ASPL 632D2 together are equivalent to ASPL 632
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Inactive
ASPL 632D2
Credit Weight: 1.5
Transcript Title: Comparative Air Law
Calendar Title: Comparative Air Law.
Description:
See ASPL 632D1 for course description.
Notes:
Prerequisite: ASPL 632D1
No credit will be given for this course unless both ASPL 632D1 and ASPL 632D2 are successfully completed in consecutive terms
ASPL 632D1 and ASPL 632D2 together are equivalent to ASPL 632
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Inactive

ASPL 633
Credit Weight: 3
Transcript Title: Public International Air Law
Calendar Title: Public International Air Law.
Description:
Sources of public international law relating to the air space and its aeronautical uses. International aviation organizations and their law-making functions. Legal responses to aviation terrorism.
Public International Air Law Public International Air Law
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 636
Credit Weight: 3
Transcript Title: Private International Air Law
Calendar Title: Private International Air Law.
Description:
Private International Air Law Private International Air Law
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 637
Credit Weight: 3
Transcript Title: Space Law: General Principles
Calendar Title: Space Law: General Principles.
Description:
Examination of the role of international law in the regulation of outer space activities.
Space Law: General Principles Space Law: General Principles
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 638
Credit Weight: 3
Transcript Title: Law of Space Applications
Calendar Title: Law of Space Applications.
Description:
The legal implications of various space applications, such as telecommunications and the role therein of various international organizations; remote sensing by satellites; space stations; commercial and military uses of outer space.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 639
Credit Weight: 3
Transcript Title: Gov't Reg of Space Activities
Calendar Title: Government Regulation of Space Activities.
Description:
National public and private law and regulatory regimes governing space activities, particularly those that are carried out by private entities for commercial purposes.
Notes:
Restriction: Open to undergraduate students with the permission of the Associate Dean.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 655
Credit Weight: 15
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
A major research paper on a current topic.
Notes:
Restriction: Restricted to students in LL.M. in Air and Space Law; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 656
Credit Weight: 2
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
A major research paper on a current topic.
Notes:
Restriction: Restricted to students in LL.M. in Air and Space Law; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 657
Credit Weight: 1
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description:
A major research paper on a current topic.

Notes:
Restriction: Restricted to students in LL.M. in Air and Space Law; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 690
Credit Weight: 3
Transcript Title: Master's Thesis 1
Calendar Title: Master's Thesis 1.
Description: Preparation of thesis proposal.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 691
Credit Weight: 3
Transcript Title: Master's Thesis 2
Calendar Title: Master's Thesis 2.
Description: Preparation of literature review.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 692
Credit Weight: 6
Transcript Title: Master's Thesis 3
Calendar Title: Master's Thesis 3.
Description: Thesis research report.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 693
Credit Weight: 12
Transcript Title: Master's Thesis 4
Calendar Title: Master's Thesis 4.
Description: Completion of thesis.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 694
Credit Weight: 3
Transcript Title: Master's Thesis 5
Calendar Title: Master's Thesis 5.
Description: Thesis research report.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active

ASPL 701
Credit Weight: 0
Transcript Title: Comprehensive - Air/Space Law
Calendar Title: Comprehensive - Air/Space Law.
Description:
An examination comprised of written and oral components that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Restriction: DCL graduate students in Air and Space Law.
Administering Faculty: Graduate Studies
Teaching Department: Air and Space Law
Status (catalog level): Active
ATOC 100
Credit Weight: 3
Transcript Title: Extr-Weath&Climate-Chg Physics
Calendar Title: Extreme-Weather and Climate-Change Physics.
Description:
This course will provide an overview of extreme weather and climate phenomena, using calculus-based mathematical and physical principles. It will examine the physics and dynamics associated with extreme weather and climate phenomena, including blizzards, heat waves, cold waves, ice storms, tornadoes, and hurricanes. The atmospheric and oceanic observing system will be used to quantify the structure and mechanisms of extreme weather and climate events. The physics of climate change will be interpreted through the natural and anthropogenic changes to Earth's radiation and energy balances. An introduction to climate models (both simple and complex) will illustrate the concepts of forcing, feedbacks, and climate sensitivity, and provide the foundation for understanding future changes in extreme weather.
Notes:
Prerequisite(s): PHYS 101
Corequisite(s): MATH 141
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 181
Credit Weight: 3
Transcript Title: Intro to Atmospheric Science
Calendar Title: Introduction to Atmospheric Science.
Description:
A survey of the Earth's atmosphere, weather and climate system. Topics include the fundamental processes that determine interactions between the atmosphere, ocean and biosphere; anthropogenic effects such as global warming, the ozone hole and acid rain; a perspective on future climate change.
Notes:
Fall and Winter
3 hours lecture
Restriction: Not open to students who have taken ATOC 210, ATOC 214, ENVB 301 or NRSC 201.
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 182
Credit Weight: 3
Transcript Title: Intro to Oceanic Sciences
Calendar Title: Introduction to Oceanic Sciences.
Description:
Air-sea interaction; oceanic properties; global climate change, carbon cycle; polar oceans, sea ice, polynyas; El Niño; remote sensing of oceans; physical control of biological processes in the sea.
Notes:
Fall and Winter
3 hours lecture
Restriction: Not open to students who have taken ATOC 220, EPSC 360 or EPSC 560.
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active
ATOC 183

Credit Weight: 3
Transcript Title: Climate and Climate Change
Calendar Title: Climate and Climate Change.
Description:
The atmosphere, ocean and sea-ice distribution characteristic of the current climate, as seen through observational data and computer model results. Physics of naturally occurring variability on time scales of months to years, such as El Niño. Global circulation models of the atmosphere, ocean and coupled atmosphere-ocean system, and global warming simulations.
Notes:
Winter
3 hours lecture
Restriction: Not open to students who have taken ATOC 230.
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 184

Credit Weight: 3
Transcript Title: Science of Storms
Calendar Title: Science of Storms.
Description:
Physical processes associated with severe and hazardous weather affecting the Earth. Topics are taught at a fundamental level, without equations, to provide a complete and up-to-date understanding of such extreme events as blizzards, ice storms, tornadoes, hurricanes, floods and droughts.
Notes:
Winter
Restriction: Not open to students who have taken ATOC 240, or the combination of ATOC 214 and ATOC 215.
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 185

Credit Weight: 3
Transcript Title: Natural Disasters
Calendar Title: Natural Disasters.
Description:
This course examines the science behind different types of disasters and our ability or inability to control and predict such events. From this course the student will gain an appreciation of natural disasters beyond the newspaper headlines and will better understand how the effects of disasters can be reduced.
Notes:
Fall
3 hours lecture
This is a double-prefix course and is identical in content with EPSC 185.
Restriction: Not open to students who have taken or are taking EPSC 185.
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 214

Credit Weight: 3
**Transcript Title:** Intro: Physics of the Atmosphere

**Calendar Title:** Introduction: Physics of the Atmosphere.

**Description:**
An introduction to physical meteorology designed for students in the physical sciences. Topics include: composition of the atmosphere; heat transfer; the upper atmosphere; atmospheric optics; formation of clouds and precipitation; instability; adiabatic charts.

**Notes:**
Fall
3 hours lecture
Prerequisite: CEGEP Physics, or the combination of PHYS 131 and PHYS 142, or permission of instructor.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Atmospheric & Oceanic Sciences

**Status (catalog level):** Active

**ATOC 215**

**Credit Weight:** 3

**Transcript Title:** Oceans, Weather and Climate

**Calendar Title:** Oceans, Weather and Climate.

**Description:**
Laws of motion, geostrophic wind, gradient wind. General circulation of the atmosphere and oceans, local circulation features. Air-sea interaction, including hurricanes and sea-ice formation, extra-tropical weather systems and fronts, role of the atmosphere and oceans in climate.

**Notes:**
Winter
3 hours lecture
Prerequisites: MATH 141; ATOC 214, or permission of instructor

**Administering Faculty:** Faculty of Science

**Teaching Department:** Atmospheric & Oceanic Sciences

**Status (catalog level):** Active

**ATOC 219**

**Credit Weight:** 3

**Transcript Title:** Intro to Atmospheric Chemistry

**Calendar Title:** Introduction to Atmospheric Chemistry.

**Description:**
An introduction to the basic topics in atmospheric chemistry. The fundamentals of the chemical composition of the atmosphere and its chemical reactions. Selected topics such as smog chamber, acid rain, and ozone hole will be examined.

**Symbols:** ALTY - Taught in alternate years

**Notes:**
Winter
3 hours lecture
Prerequisites: CHEM 110 and CHEM 120, and one of MATH 139 or MATH 140 or MATH 150, or a CEGEP DEC in Science, or permission of instructor.
Restriction: Not open to students who have taken CHEM 219, CHEM 419 or ATOC 419
Offered in odd years. Students should register in CHEM 219 in even years

**Administering Faculty:** Faculty of Science

**Teaching Department:** Atmospheric & Oceanic Sciences

**Status (catalog level):** Active

**ATOC 309**

**Credit Weight:** 3

**Transcript Title:** Weather Radars and Satellites
Calendar Title: Weather Radars and Satellites.
Description:
Basic notions of radiative transfer and applications of satellite and radar data to mesoscale and synoptic-scale systems are discussed. Emphasis will be put on the contribution of remote sensing to atmospheric and oceanic sciences.
Notes:
Winter
3 hours lecture
Prerequisite: ATOC 215
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 312
Credit Weight: 3
Transcript Title: Rotating Fluid Dynamics
Calendar Title: Rotating Fluid Dynamics.
Description:
Lagrangian and Eulerian time derivatives. Vorticity, divergence and Helmholtz decomposition. Two-dimensional Navier-Stokes equation for non-divergent flows. Rotating coordinate systems and the shallow water equations. Linear solutions, potential vorticity, and geostrophy in the shallow water context. Shallow-water quasi-geostrophic approximation, including Rossby waves and barotropic (Rayleigh) instability.
Notes:
Fall
Prerequisites: MATH 314
Not open to students who have taken ATOC 412.
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 315
Credit Weight: 3
Transcript Title: Thermodynamics and Convection
Calendar Title: Thermodynamics and Convection.
Description:
Buoyancy, stability, and vertical oscillations. Dry and moist adiabatic processes. Resulting dry and precipitating convective circulations from the small scale to the global scale. Mesoscale precipitation systems from the cell to convective complexes. Severe convection, downbursts, mesocyclones.
Notes:
Fall
3 hours lecture
Prerequisites: ATOC 214 and MATH 222
Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 341
Credit Weight: 3
Transcript Title: Caribbean Climate and Weather
Calendar Title: Caribbean Climate and Weather.
Description:
The climate system and ongoing global change, ocean and atmosphere circulation and future trends in the tropics; local climate variability and dynamics, extreme
weather events in the Caribbean

Notes:
Restrictions: Open to U2 and U3 students from all faculties that are registered in the Barbados Field Study Semester, with minimum CGPA of 3.0.
Corequisites: BIOL 343, GEOG 340, FSCI 444 or permission of the Program Director

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences

Status (catalog level): Active

ATOC 357
Credit Weight: 3
Transcript Title: Atmospheric & Oceanic Sci Lab
Calendar Title: Atmospheric and Oceanic Science Laboratory.

Description:
Students will gain hands-on experience in several fundamental atmospheric and oceanic science topics through practical experimentation. A diverse set of experiments will be conducted, ranging from in situ observations in Montreal, to remote sensing of clouds and radiation, to laboratory chemistry and water-tank experiments. As a background for these experiments, students will receive training on sensor principles and measurement error analysis, as well as the fundamental physical processes of interest in each experiment. They will learn to operate, and physically interpret data from, various sensors for in situ and remote observation of meteorological variables. Their training will also extend to operational weather observations, analysis, and forecasting.

Notes:
Prerequisite(s): ATOC 214 or permission of instructor.

ADMINISTERING FACULTY: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 373
Credit Weight: 3
Transcript Title: Arctic Climate & Climate Chge
Calendar Title: Arctic Climate and Climate Change.

Description:
Introduction to the principles of Arctic climate and climate change with a special focus on the Canadian Arctic. The primary objectives of the course are to 1) develop an understanding of the present day high latitude climate, including the atmosphere, the ocean and the sea ice, 2) develop an understanding of the role of the polar regions in the global climate and climate change, and 3) introduce students to field methods of polar research including ice coring, sea-ice buoys installation and data analysis, atmospheric measurements (radiative and turbulent heat fluxes), and ocean hydrographic measurements (e.g. CTD, nets).

Notes:
Prerequisite(s): Two courses from the following list: GEOG 203, GEOG 205,GEOG 272, GEOG 372, EVNR 200, EVNR 202, EPSC 203, EPSC 210, EPSC 212, EPSC 220, EPSC 233, ATOC 214, ATOC 215, ATOC 219, SOIL 300.
Corequisites: EPSC 373, GEOG 373, [ATOC 473 or EPSC 473 or GEOG 473]
Note(s): 1. This course is one of a set of four field courses (ATOC 373, EPSC 373, GEOG 373, ATOC/EPSC/GEOG 473) designed to be taken concurrently. It complements programs in natural science disciplines by providing students with specialized field training and research experience focusing on the unique environmental conditions of cold polar systems. 2. Cost includes transportation, room and board, field expenses. Students are charged $12,000 for the four courses combined: ATOC, 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473. 3. Arctic localities: Iqaluit, Resolute Bay, and Central Axel Heiberg Island in the Canadian High Arctic.
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 396  
Credit Weight: 3  
Transcript Title: Undergraduate Research Project  
Calendar Title: Undergraduate Research Project.  
Description:  
Independent research project with a final written report.  
Notes:  
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.  
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 400  
Credit Weight: 3  
Transcript Title: Indep Study of an Env Problem  
Calendar Title: Independent Study of an Environmental Problem.  
Description:  
A reading or research project, conducted under the guidance of an instructor, on the meteorological processes related to an environmental problem. A written report will be required. Students should consult the departmental undergraduate student adviser for the names of available supervisors.  
Notes:  
Restriction: students taking a joint program in Atmospheric and Environmental Science or with permission of Department.

Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 404  
Credit Weight: 3  
Transcript Title: Climate Physics  
Calendar Title: Climate Physics.  
Description:  
This course covers the essentials of climate physics through the lens of one-dimensional, vertical atmospheric models. This includes shortwave and longwave radiative transfer, convection, phase changes, clouds, greenhouse gases, and atmospheric escape. This is an adequate level of detail for understanding Earth's climate, paleoclimate, anthropogenic climate change, or pursuing studies of Solar System planets and extrasolar planets.  
Notes:
ATOC 473
Credit Weight: 6
Transcript Title: Arctic Field Research
Calendar Title: Artic Field Research.
Description:
This course is the independent research component of the McGill Arctic Field Study Semester. It has four distinct parts, a) problem identification and background preparation, b) research design and field data collection, c) lab and data analysis, and d) report preparation and presentation. The research design and field data collection will be part of an extended period of fieldwork based in the Canadian Arctic. The lab and data analysis will begin in the field and finish on campus. Each student will prepare a manuscript style report and make a conference presentation based on their research.
Notes:
Corequisite(s): GEOG 373, EPSC 373 and ATOC 373
Restriction(s): Permission of the instructor. Not open to students who have taken or are taking EPSC 473 or GEOG 473.
Note(s): 1. This course is one of a set of four field courses (ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473) designed to be taken concurrently. It complements programs in natural science disciplines by providing students with specialized field training and research experience focusing on the unique environmental conditions of cold polar systems. 2. Cost includes transportation, room and board, field expenses. Students are charged $12,000 for the four courses combined: ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473. 3. Arctic localities: Iqaluit, Resolute Bay, and Central Axel Heiberg Island in the Canadian High Arctic.

ATOC 480
Credit Weight: 3
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
The student will carry out a research project under the supervision of a member of the staff. The student will be expected to write a report and present a seminar on the work.
Notes:
Restriction: Open to U3 Honours and Major students

ATOC 512
Credit Weight: 3
Transcript Title: Atmospheric & Oceanic Dynamics
Calendar Title: Atmospheric and Oceanic Dynamics.
Description:

Notes:
Fall
3 hours lecture
Prerequisite (Undergraduate): MATH 314, MATH 315, or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 513
Credit Weight: 3
Transcript Title: Waves & Stability
Calendar Title: Waves and Stability.
Description:
Notes:
Winter
3 hours lecture
Prerequisite (Undergraduate): MATH 314, MATH 315, or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 515
Credit Weight: 3
Transcript Title: Turbulence in Atmosph&Oceans
Calendar Title: Turbulence in Atmosphere and Oceans.
Description:
Symbols: ALTY - Taught in alternate years
Notes:
Winter
3 hours lecture
Prerequisite (Undergraduate): MATH 314, MATH 315, a previous course in fluid dynamics (such as ATOC 512), or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 517
Credit Weight: 3
Transcript Title: Boundary Layer Meteorology
Calendar Title: Boundary Layer Meteorology.
Description:
Turbulence and turbulent fluxes, atmospheric stability, Monin-Obukhov similarity theory, surface roughness and surface fluxes, power law and logarithmic wind profiles including their application in wind energy and engineering sectors, convective and stably stratified boundary layers, internal boundary layer development, large-eddy simulations, fundamentals of boundary-layer parameterization in numerical models, and introduction to urban boundary layers.

Notes:
Prerequisites: MATH 314, MATH 315, and one of ATOC 312 or ATOC 315 or ATOC 512, or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 519
Credit Weight: 3
Transcript Title: Advances in Chem of Atmosphere
Calendar Title: Advances in Chemistry of Atmosphere.
Description:
Exploration of the field of atmospheric chemistry that is identified as the significant driver of climate change and the cause of millions of premature death every year. Discussion of cutting-edge novel technologies for observing and quantifying pollutants (from ground to satellite) using artificial intelligence, the fate of emerging contaminants (e.g., nano/microplastics, trace metals, persistent organic), and modelling of atmospheric and interfacial processes. Examination of topics like atmospheric gaseous and multiphase components like bioaerosols. Study of photochemical, photophysical, and aerosol nucleation processes that affect air quality, climate change, and ecosystem health.

Notes:
Prerequisites: CHEM 213, CHEM 273, MATH 222, MATH 315 or equivalents, or permission of the instructor.
Restriction: Not open to students who have taken or are taking CHEM 519.
3 hours lecture
Cross linked course: CHEM 519

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 521
Credit Weight: 3
Transcript Title: Cloud Physics
Calendar Title: Cloud Physics.
Description:

Notes:
3 hours
Prerequisites (Undergraduates): ATOC 315, MATH 314, and MATH 315, or permission of instructor.
Restriction: Not open to students who have taken ATOC 621.

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 525
Credit Weight: 3  
Transcript Title: Atmospheric Radiation  
Calendar Title: Atmospheric Radiation.  
Description:  
Notes:  
Prerequisites (Undergraduates): ATOC 315, MATH 314, and MATH 315, or permission of instructor.  
Restriction: Not open to students who have taken ATOC 620.  
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 531  
Credit Weight: 3  
Transcript Title: Dynamics of Current Climates  
Calendar Title: Dynamics of Current Climates.  
Description:  
Notes:  
Fall  
3 hours lecture  
Prerequisite (Undergraduate): MATH 315 or permission of instructor  
Corequisite (Undergraduate): ATOC 312 or ATOC 512 or permission of instructor  
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 540  
Credit Weight: 3  
Transcript Title: Synoptic Meteorology 1  
Calendar Title: Synoptic Meteorology 1.  
Description:  
Notes:  
Fall  
2 hours lecture; 2 hours laboratory  
Prerequisite (Undergraduate): MATH 314, MATH 315, or permission of instructor  
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 541  
Credit Weight: 3  
Transcript Title: Synoptic Meteorology 2  
Calendar Title: Synoptic Meteorology 2.  
Description:  
Analysis of current meteorological data. Quasi-geostrophic theory, including the
omega equation, as it relates to extratropical cyclone and anticyclone development. Frontogenesis and frontal circulations in the lower and upper troposphere. Cumulus convection and its relationship to tropical and extratropical circulations. Diagnostic case study work.

Notes:
Winter
2 hours lecture; 2 hours laboratory
Prerequisite (Undergraduate): ATOC 312 and ATOC 540 or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 546
Credit Weight: 1
Transcript Title: Current Weather Discussion
Calendar Title: Current Weather Discussion.
Description:
Half-hour briefing on atmospheric general circulation and current weather around the world using satellite data, radar observations, conventional weather maps, and analyses and forecasts produced by computer techniques.

Notes:
Winter
2 hours
Prerequisite (Undergraduate): ATOC 540 or permission of instructor
Restriction: Graduate students and final-year Honours Atmospheric Science students. Others by special permission.

Administering Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 548
Credit Weight: 3
Transcript Title: Mesoscale Meteorology
Calendar Title: Mesoscale Meteorology.
Description:
Theory of meteorologically important mesoscale phenomena including mesoscale instabilities, cumulus convection and its organization (including thunderstorms, squall lines, and other forms of severe weather), internal gravity waves, and topographically forced flows. Application of theory to the physical interpretation of observations and numerical simulations.

Notes:
Prerequisite(s): ATOC 512 or ATOC 312
Not open to students who have taken ATOC 646.

Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 550
Credit Weight: 1
Transcript Title: Spec Top Meteor&Oceanography
Calendar Title: Special Topics Meteorology and Oceanography.
Description:
Lectures and seminars on special topics such as hydrology, agricultural meteorology, the limits of predictability, planetary atmospheres, atmospheric and oceanic pollution, coastal currents, and research reviews.

Notes:
Fall
1 hour lecture
Prerequisite (Undergraduate): Permission of instructor
Restriction: Graduate students and final-year Honours Atmospheric Science students. Others by special permission.

Administrating Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 551
Credit Weight: 3
Transcript Title: Selected Topics 1
Calendar Title: Selected Topics 1.
Description: Topics in atmospheric and oceanic sciences.
Notes: Restriction: Course restricted to students in U3 undergraduate or graduate programs in ATOC or in closely related disciplines, and permission of the instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 552
Credit Weight: 3
Transcript Title: Selected Topics 2
Calendar Title: Selected Topics 2.
Description: Topics in atmospheric and oceanic sciences.
Notes: Restrictions: Course restricted to students in U3 undergraduate or graduate programs in ATOC or in closely related disciplines, and permission of the instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 555
Credit Weight: 3
Transcript Title: Field Course 1
Calendar Title: Field Course 1.
Description: Field studies in selected topics of the atmospheric and oceanic sciences.
Notes: Restrictions: Course restricted to students in U3 undergraduate or graduate programs in ATOC or in closely related disciplines, and permission of the instructor.
This field course will be held at the Bellairs Institute in Barbados. Students pay for their own tuition and airfare. The course $2566.00 fee will cover 2 weeks of accommodation (double occupancy), food, transportation in Barbados, and lab supplies. The trip's duration is 15 days and 14 nights in May.

Administrating Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 556
Credit Weight: 3
Transcript Title: Field Course 2  
Calendar Title: Field Course 2.  
Description: Field studies in selected topics of the atmospheric and oceanic sciences.  
Notes: Restrictions: Course restricted to students in U3 undergraduate or graduate programs in ATOC or in closely related disciplines, and permission of the instructor.  
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 557  
Credit Weight: 3  
Transcript Title: Research Methods: Atm&Oc Sci  
Calendar Title: Research Methods: Atmospheric and Oceanic Science.  
Description: This course is focused on the analysis of observational and modeling data, and the advantages and limitations of different data are discussed. The course covers several analysis methods (regression, principle component analysis, optimal estimation) commonly used in the atmospheric and oceanic sciences. In addition to the theory underlying these methods, there will be hands-on applications to observations of Earth.  
Notes: Prerequisite(s): COMP 208, MATH 315, MATH 323, and MATH 324 or equivalents.  
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 558  
Credit Weight: 3  
Transcript Title: Numerical Methods & Laboratory  
Calendar Title: Numerical Methods and Laboratory.  
Description: Numerical simulation of atmospheric and oceanic processes. Finite difference, finite element, and spectral modelling techniques. Term project including computer modelling of convection or large-scale flows in the atmosphere or ocean.  
Notes:  
1 hour lecture; 4 hours laboratory  
Prerequisite (Undergraduate): ATOC 312 or ATOC 512, or permission of instructor  
Restriction: Graduate students and final-year Honours Atmospheric Science students. Others by special permission.  
Administering Faculty: Faculty of Science  
Teaching Department: Atmospheric & Oceanic Sciences  
Status (catalog level): Active

ATOC 568  
Credit Weight: 3  
Transcript Title: Ocean Physics  
Calendar Title: Ocean Physics.  
Description: Research methods in physical oceanography including data analysis and literature review. Course will be divided into five separate modules focusing on temperature-salinity patterns, ocean circulation, boundary layers, wave phenomena and tides.
Symbols: ALTY - Taught in alternate years

Notes:
- Winter
- 3 hours lecture

Prerequisite (Undergraduate): ATOC 512 or permission of instructor
Restriction: Graduate students and final-year Honours Atmospheric Science students. Others by special permission.

Administrating Faculty: Faculty of Science
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 616
Credit Weight: 3
Transcript Title: Top-Geophysical Fluid Dynamics
Calendar Title: Topics - Geophysical Fluid Dynamics.
Description: Advanced topics in the dynamics of oceanic and atmospheric flows.
Notes:
- 3 hours

Administrating Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 626
Credit Weight: 3
Transcript Title: Atmos/Oceanic Remote Sensing
Calendar Title: Atmospheric/Oceanic Remote Sensing.
Description: Principles of radiative transfer applied to observing the atmosphere and oceans by satellite, radar, and other methods of remote sensing. Applications to cloud physics and climate research.
Symbols: ALTY - Taught in alternate years
Notes:
- 3 hours

Administrating Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 666
Credit Weight: 3
Transcript Title: Topics In Ocean Circulation
Calendar Title: Topics In Ocean Circulation.
Description: Recent observations of mesoscale and large-scale ocean circulation. Inverse methods and their application to tracer distributions and deep ocean circulation. Review of modern theoretical developments such as geostrophic turbulence, homogenization of potential vorticity, ventilated thermoclines, wind and buoyancy driven ocean circulation models, and coupled ice-ocean circulation models.
Notes:
- 3 hours

Administrating Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 669D1
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: CSE Seminar.
Description: Techniques and applications in computational science and engineering.
Notes: Students must register for both ATOC 669D1 and ATOC 669D2
No credit will be given for this course unless both ATOC 669D1 and ATOC 669D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 669D2
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: CSE Seminar.
Description: See ATOC 669D1 for course description.
Notes: Prerequisite: ATOC 669D1
No credit will be given for this course unless both ATOC 669D1 and ATOC 669D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 670
Credit Weight: 3
Transcript Title: Reading Course: Meteorology 1
Calendar Title: Reading Course: Meteorology 1.
Description: Assigned reading of a specialized topic in meteorology with formal evaluation.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 671
Credit Weight: 3
Transcript Title: Reading Course: Meteorology 2
Calendar Title: Reading Course: Meteorology 2.
Description: Assigned reading of a specialized topic in meteorology with formal evaluation.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 672
Credit Weight: 3
Transcript Title: Reading Course: Oceanography 1
Calendar Title: Reading Course: Oceanography 1.
Description: Assigned reading of a specialized topic in oceanography with formal evaluation.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active
ATOC 691
Credit Weight: 3
Transcript Title: Master's Thesis Lit Review
Calendar Title: Master's Thesis Literature Review.
Description:
Review of relevant literature in preparation for the M.Sc. research.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 692
Credit Weight: 6
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description:
Independent research under the supervision of the student's M.Sc. supervisor.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 692N1
Credit Weight: 3
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description:
Independent research under the supervision of the student's M.Sc. supervisor.
Notes:
Students must also register for ATOC 692N2
No credit will be given for this course unless both ATOC 692N1 and ATOC 692N2 are successfully completed in a twelve month period
ATOC 692N1 and ATOC 692N2 together are equivalent to ATOC 692
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Inactive

ATOC 692N2
Credit Weight: 3
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description:
See ATOC 692N1 for course description.
Notes:
Prerequisite: ATOC 692N1
No credit will be given for this course unless both ATOC 692N1 and ATOC 692N2 are successfully completed in a twelve month period
ATOC 692N1 and ATOC 692N2 together are equivalent to ATOC 692
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Inactive

ATOC 693
Credit Weight: 6
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description:
Independent research under the supervision of the student's M.Sc. supervisor.

Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 693N1
Credit Weight: 3
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description:
Independent research under the supervision of the student's M.Sc. supervisor.
Notes:
Students must also register for ATOC 693N2
No credit will be given for this course unless both ATOC 693N1 and ATOC 693N2 are successfully completed in the same calendar year
ATOC 693N1 and ATOC 693N2 together are equivalent to ATOC 693

ATOC 693N2
Credit Weight: 3
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description:
See ATOC 693N1 for course description.
Notes:
Prerequisite: ATOC 693N1
No credit will be given for this course unless both ATOC 693N1 and ATOC 693N2 are successfully completed in the same calendar year
ATOC 693N1 and ATOC 693N2 together are equivalent to ATOC 693

ATOC 694
Credit Weight: 3
Transcript Title: Master's Thesis Progress Rep&Sem
Calendar Title: Master's Thesis Progress Report and Seminar.
Description:
Written report on the M.Sc. research progress and oral presentation of the report in seminar form to staff and students.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Inactive

ATOC 695
Credit Weight: 6
Transcript Title: Master's Thesis Research 3
Calendar Title: Master's Thesis Research 3.
Description:
Independent research under the supervision of the student's M.Sc. supervisor.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active
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<th>Course Code</th>
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<th>Transcript Title</th>
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<td>ATOC 699</td>
<td>12</td>
<td>Master's Thesis</td>
<td>Master's Thesis</td>
<td>Independent research under the supervision of the student's M.Sc. supervisor leading to the M.Sc. thesis.</td>
<td>Graduate Studies</td>
<td>Atmospheric &amp; Oceanic Sciences</td>
<td>Active</td>
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<td>ATOC 699N1</td>
<td>6</td>
<td>Master's Thesis</td>
<td>Master's Thesis</td>
<td>Independent research under the supervision of the student's M.Sc. supervisor leading to the M.Sc. thesis.</td>
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<td>Notes: Students must also register for ATOC 699N2</td>
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<td>No credit will be given for this course unless both ATOC 699N1 and ATOC 699N2 are successfully completed in a twelve month period</td>
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<td>Administering Faculty: Graduate Studies</td>
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<td>Teaching Department: Atmospheric &amp; Oceanic Sciences</td>
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<td>Status (catalog level): Inactive</td>
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<td>ATOC 699N2</td>
<td>6</td>
<td>Master's Thesis</td>
<td>Master's Thesis</td>
<td>See ATOC 699N1 for course description.</td>
<td>Graduate Studies</td>
<td>Atmospheric &amp; Oceanic Sciences</td>
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<td>Notes: Prerequisite: ATOC 699N1</td>
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<td>ATOC 700</td>
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<td>Ph.D. Proposal Seminar</td>
<td>Ph.D. Proposal Seminar</td>
<td>Seminar where students present their research and a comprehensive framework for the thesis.</td>
<td>Graduate Studies</td>
<td>Atmospheric &amp; Oceanic Sciences</td>
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<td>ATOC 701</td>
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Transcript Title: Ph.D. Comprehensive (General)
Calendar Title: Ph.D. Comprehensive (General).
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 701D1
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive (General)
Calendar Title: Ph.D. Comprehensive (General).
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Students must register for both ATOC 701D1 and ATOC 701D2.
No credit will be given for this course unless both ATOC 701D1 and ATOC 701D2 are successfully completed in consecutive terms.
ATOC 701D1 and ATOC 701D2 together are equivalent to ATOC 701.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Inactive

ATOC 701D2
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive (General)
Calendar Title: Ph.D. Comprehensive (General).
Description: See ATOC 701D1 for course description.
Notes: Prerequisite: ATOC 701D1.
No credit will be given for this course unless both ATOC 701D1 and ATOC 701D2 are successfully completed in consecutive terms.
ATOC 701D1 and ATOC 701D2 together are equivalent to ATOC 701.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Inactive

ATOC 751
Credit Weight: 1
Transcript Title: Seminar: Physical Meteorology
Calendar Title: Seminar: Physical Meteorology.
Description: Seminars on topics in physical meteorology. Students are required to present one or more seminars during the year on their thesis research and to participate actively in the seminars given by others.
Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Inactive

ATOC 751D1
Credit Weight: 0.5
Transcript Title: Seminar: Physical Meteorology
Calendar Title: Seminar: Physical Meteorology.
Seminars on topics in physical meteorology. Students are required to present one or more seminars during the year on their thesis research and to participate actively in the seminars given by others.

Notes:
Students must register for both ATOC 751D1 and ATOC 751D2
No credit will be given for this course unless both ATOC 751D1 and ATOC 751D2 are successfully completed in consecutive terms
ATOC 751D1 and ATOC 751D2 together are equivalent to ATOC 751

Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 751D2
Credit Weight: 0.5
Transcript Title: Seminar: Physical Meteorology
Calendar Title: Seminar: Physical Meteorology.
Description:
See ATOC 751D1 for course description.
Notes:
Prerequisite: ATOC 751D1
No credit will be given for this course unless both ATOC 751D1 and ATOC 751D2 are successfully completed in consecutive terms
ATOC 751D1 and ATOC 751D2 together are equivalent to ATOC 751

Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 752D1
Credit Weight: 0.5
Transcript Title: Atmospheric, Oceanic and Climate Dynamics
Calendar Title: Atmospheric, Oceanic and Climate Dynamics.
Description:
Seminars on topics in atmospheric, oceanic and climate dynamics. Students are required to present one or more seminars during the year on their thesis research and to participate actively in the seminars given by others.
Notes:
Students must register for both ATOC 752D1 and ATOC 752D2
No credit will be given for this course unless both ATOC 752D1 and ATOC 752D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active

ATOC 752D2
Credit Weight: 0.5
Transcript Title: Atmospheric, Oceanic and Climate Dynamics
Calendar Title: Atmospheric, Oceanic and Climate Dynamics.
Description:
See ATOC 752D1 for course description.
Notes:
Prerequisite: ATOC 752D1
No credit will be given for this course unless both ATOC 752D1 and ATOC 752D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Atmospheric & Oceanic Sciences
Status (catalog level): Active
BASC 201
Credit Weight: 3
Transcript Title: Arts & Sci Integrative Topics
Calendar Title: Arts and Science Integrative Topics.
Description: Topics that integrate information from Arts & Science (e.g. biomedical ethics; history of science; scientific reasoning; military conflict and geography; philosophy of mind, etc.) to exemplify the benefits of applying scholarship from diverse areas to a problem.
Notes: Restriction: Open only to students registered in the B.A.& Sc.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Science
Status (catalog level): Active

BASC 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description: Independent research project with a final written report.
Notes: Prerequisite(s): Prerequisites: BASC 201, at least one term of undergraduate studies and a CGPA of at least 3.0; or permission of instructor. Restrictions: Permission required via the Office of Undergraduate Research in Science (OURS). Student cannot be supervised by same instructor for two 396 courses. S/U option not permitted. Only open to students in BA&Sc programs. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures. For projects that are not integrative, students should consider other research project or independent study courses offered by the Faculties of Arts or Science.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Science
Status (catalog level): Active

BASC 449
Credit Weight: 6
Transcript Title: Integrative Research Project
Calendar Title: Integrative Research Project.
Description: Supervised integrative research project.
Notes: Prerequisites: BASC 201, at least one term of undergraduate studies and a CGPA of at least 3.0; or permission of instructor.
Restriction: Open only to B.A. & Sc. students. Before registration, projects must be arranged individually with professors. Each project will be approved by chair/delegate of the B.A. & Sc. Program Administration Committee. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. See http://www.mcgill.ca/science/ours for more information about available projects and application forms and procedures.
For projects that are not integrative, students should consider other research project or independent study courses offered by the Faculties of Arts or Science.

Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

BASC 449D1
Credit Weight: 3
Transcript Title: Integrative Research Project
Calendar Title: Integrative Research Project.
Description: Supervised integrative research project.
Notes: Prerequisites: BASC 201, at least one term of undergraduate studies and a CGPA of at least 3.0; or permission of instructor. Restriction: Open only to B.A. & Sc. students. Before registration, projects must be arranged individually with professors. Each project will be approved by chair/delegate of the B.A. & Sc. Program Administration Committee. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. See http://www.mcgill.ca/science/ours for more information about available projects and application forms and procedures.

For projects that are not integrative, students should consider other research project or independent study courses offered by the Faculties of Arts or Science.

BASC 449D2
Credit Weight: 3
Transcript Title: Integrative Research Project
Calendar Title: Integrative Research Project.
Description: See BASC 449D1 for course description.
Notes: Prerequisite: BASC 449D1. No credit will be given for this course unless both BASC 449D1 and BASC 449D2 are successfully completed in consecutive terms

BASC 449N1
Credit Weight: 3
Transcript Title: Integrative Research Project
Calendar Title: Integrative Research Project.
Description: Supervised integrative research project.
Notes: Prerequisites: BASC 201, at least one term of undergraduate studies and a CGPA of at least 3.0; or permission of instructor. Restrictions: Open only to B.A. & Sc. students. Before registration, projects must be arranged individually with professors. Each project will be approved by
chair/delegate of the B.A. & Sc. Program Administration Committee. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. See http://www.mcgill.ca/science/ours for more information about available projects and application forms and procedures. For projects that are not integrative, students should consider other research project or independent study courses offered by the Faculties of Arts or Science. Students must register for both BASC 449N1 and BASC 449N2. No credit will be given for this course unless both BASC 449N1 and BASC 449N2 are successfully completed in a twelve month period.

**Administering Faculty:** Interfaculty, B.A. & Sc.

**Teaching Department:** Arts & Science Admin (Shared)

**Status (catalog level):** Active

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**BASC 449N2**

**Credit Weight:** 3

**Transcript Title:** Integrative Research Project

**Calendar Title:** Integrative Research Project.

**Description:**
See BASC 449N1 for course description.

**Notes:**
Prerequisite: BASC 449N1

No credit will be given for this course unless both BASC 449N1 and BASC 449N2 are successfully completed in a twelve month period.

**Administering Faculty:** Interfaculty, B.A. & Sc.

**Teaching Department:** Arts & Science Admin (Shared)

**Status (catalog level):** Active
BBME 600D1
Credit Weight: 1.5
Transcript Title: Seminars in Biol & Biomed Eng
Calendar Title: Seminars in Biological and Biomedical Engineering.
Description: Mandatory attendance at the seminar series at which students present a seminar related to their research
Notes: Restriction(s): Only open to students registered in the second term or later of the M.Eng. in Biological and Biomedical Engineering (Thesis). Not open to students who have taken BMDE 600D1/2.
1. Students must register for both BBME 600D1 and BBME 600D2
2. Students must register for BBME 600D1 before registering for BBME 600D2
3. No credit will be given for this course unless both BBME 600D1 and BBME 600D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 600D2
Credit Weight: 1.5
Transcript Title: Seminars in Biol & Biomed Eng
Calendar Title: Seminars in Biological and Biomedical Engineering.
Description: Mandatory attendance at the seminar series at which students present a seminar related to their research.
Notes: Restriction(s): Only open to students registered in the second term or later of the M.Eng. in Biological and Biomedical Engineering (Thesis). Not open to students who have taken BMDE 600D1/2.
1. Students must register for both BBME 600D1 and BBME 600D2
2. Students must register for BBME 600D1 before registering for BBME 600D2
3. No credit will be given for this course unless both BBME 600D1 and BBME 600D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 600N1
Credit Weight: 1.5
Transcript Title: Seminars in Biol & Biomed Eng
Calendar Title: Seminars in Biological and Biomedical Engineering.
Description: Mandatory attendance at the seminar series at which students present a seminar related to their research
Notes: Students must also register for BBME 600N2
No credit will be given for this course unless both BBME 600N1 and BBME 600N2 are successfully completed in a twelve month period.
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 600N2
Credit Weight: 1.5
Transcript Title: Seminars in Biol & Biomed Eng
Calendar Title: Seminars in Biological and Biomedical Engineering.
**Description:**
Mandatory attendance at the seminar series at which students present a seminar related to their research.

**Notes:**
Prerequisite: BBME 600N1
No credit will be given for this course unless both BBME 600N1 and BBME 600N2 are successfully completed in a twelve month period.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Biological & Biomedical Engr
**Status (catalog level):** Active

**BBME 681**
**Credit Weight:** 9
**Transcript Title:** Internship 1
**Calendar Title:** Internship 1.

**Description:**
An internship/research project (minimum 360 hours) related to the practice of Biological and Biomedical Engineering supervised by a practitioner in the biological and biomedical engineering field within an industrial or institutional research centre environment.

**Notes:**
Restriction: Only open to students registered in the M.Eng. in Biological and Biomedical Engineering; Non-Thesis program.
Students will be supervised by a BBME faculty member and co-supervised by a qualified supervisor from the host organization.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Biological & Biomedical Engr
**Status (catalog level):** Active

**BBME 682**
**Credit Weight:** 9
**Transcript Title:** Internship 2
**Calendar Title:** Internship 2.

**Description:**
An internship/research project (minimum 360 hours) related to the practice of Biological and Biomedical Engineering supervised by a practitioner in the biological and biomedical engineering field within an industrial or institutional research centre environment.

**Notes:**
Restrictions: Only open to students registered in the M.Eng. in Biological and Biomedical Engineering; Non-Thesis program.
This course may be completed in the same organization and under the same supervisor as BBME 681 to consolidate professional knowledge and experience, or in another institution to broaden professional experience and knowledge.
Students will be supervised by a BBME faculty member and co-supervised by a qualified supervisor from the host organization.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Biological & Biomedical Engr
**Status (catalog level):** Active

**BBME 693**
**Credit Weight:** 6
**Transcript Title:** Thesis Research 1
**Calendar Title:** Thesis Research 1.

**Description:**
Independent research work under the direction of the Thesis Supervisor.
Notes:
Restriction(s): Only open to students registered in M.Eng in Biological and Biomedical Engineering Master's Program (Thesis)
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 694
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
Independent research work under the direction of the Thesis Supervisor.

Notes:
Restriction(s): Only open to students registered in M.Eng in Biological and Biomedical Engineering Master's Program (Thesis)
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 695
Credit Weight: 12
Transcript Title: Thesis Submission
Calendar Title: Thesis Submission.
Description:
Independent research work under the direction of the Thesis Supervisor.

Notes:
Restriction(s): Only open to students registered in M.Eng in Biological and Biomedical Engineering Master's Program (Thesis)
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 696
Credit Weight: 3
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
Independent research work under the direction of the Thesis Supervisor.

Notes:
Restriction: Only open to students registered in M.Eng. in Biological and Biomedical Engineering (Thesis) program.
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 697
Credit Weight: 3
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
Independent research work under the direction of the Thesis Supervisor.

Notes:
Restriction: Only opened to students in M.Eng in Biological and Biomedical Engineering (Thesis) program.
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active

BBME 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description:
An examination that must be passed by all doctoral students in order to continue in the doctoral program.
Notes:
Restriction(s): Only open to students registered in the Ph.D. in Biological and Biomedical Engineering Doctoral Program (Thesis)
Administering Faculty: Graduate Studies
Teaching Department: Biological & Biomedical Engr
Status (catalog level): Active
**BIEN 200**

**Credit Weight:** 2  
**Transcript Title:** Introduction to Bioengineering  
**Calendar Title:** Introduction to Bioengineering.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Bioengineering  
**Status (catalog level):** Active

**BIEN 210**

**Credit Weight:** 3  
**Transcript Title:** Elect & Opt Prop of Biol Sys  
**Calendar Title:** Electrical and Optical Properties of Biological Systems.  
**Description:** Mechanisms of optical and electrical detection, transmission, and processing in biology. Vision, luminescence, photosynthesis, nerve conduction, ion channels. Speciation and evolutionary optimization as a design platform. Biomimetic opto-electric engineering. Optics and electronics in instrumentation for biological measurements.  
**Notes:**  
Prerequisite: BIEN 200  
Corequisite: BIOL 112  
(3-2-4)  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Bioengineering  
**Status (catalog level):** Active

**BIEN 219**

**Credit Weight:** 4  
**Transcript Title:** Intro to Phys Mol & Cell Biol  
**Calendar Title:** Introduction to Physical Molecular and Cell Biology.  
**Description:** An introduction to molecular and cell biology from a physical perspective. Techniques and methodologies, both experimental and computational, are included in the presentation of each thematic module.  
**Notes:**  
Corequisite(s): MATH 222 or equivalent  
Prerequisite(s): BIOL 112; CHEM 110 and CHEM 120; MATH 140, MATH 141 and MATH 133; PHYS 131 and PHYS 142; or the equivalents of these courses  
Restriction(s): Not open to students who have taken or are taking ANAT212, BIOC212, BIOL200, BIOL 201 and BIOL219. Only open to students in Bioengineering, Computer Science-Biology, Biology-Mathematics, Biology-Quantitative Biology, Chemistry-Biophysical Chemistry, and Physics-Biological Physics options. This course is meant to prepare students for related 300-level courses in Biology, Chemistry, Engineering, and Physics.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Bioengineering  
**Status (catalog level):** Active
BIEN 267
Credit Weight: 3
Transcript Title: Bioanalytical Methods: Bioeng
Calendar Title: Bioanalytical Methods in Bioengineering.
Description:
Survey of qualitative and quantitative methods of analysis in Chemistry, Biochemistry and Molecular Biology and their relevance to bioengineering. Techniques for the determination and experimental analysis of chemical metabolites and biological macromolecules emphasizing the following subjects: analytical process, common analytical tools, chemical equilibrium, basic spectroscopy, chromatography and separation methods, metabolite and protein extraction, protein purification methods and quantitative determination, high performance liquid chromatography, western blotting. An introduction to modern instrumental analysis highlighting gas- and liquid chromatography coupled with mass spectrometry and computational data analysis. Strengths and weaknesses of each method.
Notes:
Prerequisites: BIEN 290
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 290
Credit Weight: 3
Transcript Title: Bioengineering Measurement Lab
Calendar Title: Bioengineering Measurement Laboratory.
Description:
Notes:
(1-4-4)
Prerequisite: BIEN 200, MATH 203 and PHYS 142
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 300
Credit Weight: 3
Transcript Title: Thermodynamics in Bioengin
Calendar Title: Thermodynamics in Bioengineering.
Description:
Fundamental concepts of Thermodynamics: Internal Energy, Work, The three Laws of Thermodynamics, Enthalpy, and Entropy. Basic concepts of energy in living organisms: distribution of energy, energy conservation in living organisms, isothermal systems, Gibbs free energy in chemical coupling, reversible processes and redox reactions. Application of Thermodynamics in defining biological processes and components such as hydrolysis, osmosis, ELISA, PCR, DNA, amino acids, proteins.
Notes:
1. (3-2-4)
Prerequisite(s): CHEM 120, MATH 262
Restriction(s): Not open to students who have taken or are taking BREE 301.
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering  
Status (catalog level): Active

BIEN 310
Credit Weight: 3  
Transcript Title: Intro to Biomolecular Eng  
Calendar Title: Introduction to Biomolecular Engineering.
Description: Forward and reverse engineering of biomolecular systems. Principles of biomolecular thermodynamics and kinetics. Structure and function of the main classes of biomolecules including proteins, nucleic acids, and lipids. Biomolecular systems as mechanical, chemical, and electrical systems. Rational design and evolutionary methods for engineering functional proteins, nucleic acids, and gene circuits. Rational design topics include molecular modeling, positive and negative design paradigms, simulation and optimization of equilibrium and kinetic properties, design of catalysts, sensors, motors, and circuits. Evolutionary design topics include evolutionary mechanisms, fitness landscapes, directed evolution of proteins, metabolic pathways, and gene circuits. Systems biology and synthetic biology.
Notes: Prerequisite(s): BIEN 200 or permission of instructor.  
(3-0-6)
Administering Faculty: Faculty of Engineering  
Teaching Department: Bioengineering  
Status (catalog level): Active

BIEN 314
Credit Weight: 3  
Transcript Title: Transp. Phenom in Biol. Sys 1  
Calendar Title: Transport Phenomena in Biological Systems 1.
Description: Basic concepts in transport phenomena, including fluid dynamics (momentum transport) and heat transfer (energy transport), with applications to biological systems, both medical and non-medical. Topics in fluid dynamics include: properties of Newtonian and non-Newtonian fluids; dimensional analysis; drag; integral/macroscopic balances (Bernoulli's equation and linear momentum theorem); differential/microscopic balances (continuity and Navier-Stokes equations); boundary layer approximations; turbulence. Topics in heat transfer include elements of conduction and convection.
Notes: Prerequisite(s): BIEN 200, MATH 263, BIEN 300 or permission by instructor. Restriction: Only for Bioengineering students. Not open to students who have taken CHEE 314
Administering Faculty: Faculty of Engineering  
Teaching Department: Bioengineering  
Status (catalog level): Active

BIEN 320
Credit Weight: 3  
Transcript Title: Mol, Cell & Tissue Biomech  
Calendar Title: Molecular, Cellular and Tissue Biomechanics.
Description: Basic mechanics of biological building blocks, focusing on the cytoskeleton, with examples from pathology. At the macromolecular level: weak/variable crosslinking and hydrolysis driven athermal processes. At the cellular/tissue level: cell architecture and function. Discussion of modern analytical techniques capable of
single-molecule to tissue scale measurements.

Notes:
(3-2-4)
Prerequisites: BIOL 112 and MECH 210.

Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 330
Credit Weight: 3
 Transcript Title: Tissue Eng & Regenerative Med
Calendar Title: Tissue Engineering and Regenerative Medicine.

Description:
The history, scope, challenges, ethical considerations, and potential of tissue engineering. In vitro control of tissue development, differentiation, and growth, including relevant elements of immunology compared to in vivo tissue and organ development. Emphasis on the materials, chemical factors, and mechanical cues used in tissue engineering.

Notes:
Prerequisite(s): BIEN 200, BIOL 112, and CHEM 212, or permission of the instructor
1. (3-0-6)

Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 340
Credit Weight: 3
 Transcript Title: Transp. Phenom. in Biol. Sys 2
Calendar Title: Transport Phenomena in Biological Systems 2.

Description:

Notes:
(3-3-3)
Prerequisite(s): BIEN 314 and BIEN 360 or permission by instructor.

Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 350
Credit Weight: 4
 Transcript Title: Biosignals, Systems & Control
Calendar Title: Biosignals, Systems and Control.

Description:
Discrete- and continuous-time signals; basic system properties. Linear time-invariant systems; convolution. Frequency domain analysis; filtering; sampling. Laplace and Fourier transforms; transfer functions; poles and zeros; transient and steady state response. Z-transforms. Dynamic behaviour and PID control of first- and second-order processes. Stability. Applications to biological systems, such as central nervous, cognitive, and motor systems.

Notes:
(3-3-6)
Prerequisite(s): MATH 263 or permission of instructor.

Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 360
Credit Weight: 3
Transcript Title: Physical Chemistry in Bioengineering
Calendar Title: Physical Chemistry in Bioengineering.
Description:
Description of chemical systems with the help of theories of physics and application of its techniques: reaction kinetics, physical and chemical equilibria in biological systems. Review of energy transfer and thermodynamics. Chemical and physical equilibria in biology: variation of Gibbs energy with temperature, energy, composition. Theories of reaction kinetics and the reaction mechanism in biological phenomena: polymerization, protein folding, enzymes.
Notes:
Prerequisite(s): BIEN 300
Restriction(s): Not open to students who have taken or are taking CHEE 310.
Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 390
Credit Weight: 3
Transcript Title: Bioengineering Laboratory
Calendar Title: Bioengineering Laboratory.
Description:
Introduction to the fundamental principles of experimental design, statistical analysis, and scientific communications applied to bioengineering research. Laboratory topics include: DNA engineering and cloning, in vitro motility assays, mammalian cell culture and immunofluorescence, and microfabrication.
Notes:
Prerequisite: BIEN 290
1. (1-4-4)
Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 410
Credit Weight: 3
Transcript Title: Comput Methods in Biomol Eng
Calendar Title: Computational Methods in Biomolecular Engineering.
Description:
Notes:
(3-0-6)
Prerequisites: BIEN 310 and COMP 208, or permission of instructor.
Administrating Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 414
Credit Weight: 3
Transcript Title: Fundls&Rheol of Biolcl Fluids  
Calendar Title: Fundamentals and Rheology of Biological Fluids.  
Description:  
Fundamentals of non-Newtonian fluid mechanics and rheology as applied to  
biological fluids. Fundamentals of mass and momentum conservation, dimensional  
analysis, continuity equations, Generalized Newtonian Fluid models, and the  
solution of fluid flow problems using empirical constitutive relationships.  
Selected topics in polymer physics relevant to biological fluids. Fundamentals of  
rheological characterization, both macrorheology and microrheology. Application of  
these concepts to the rheology of selected biological fluids in health and  
disease, selected applications of biofluid rheology: drug delivery, biofluid /  
pathogen interactions, and aerosol disease transmission.  
Notes:  
3-1-5  
Prerequisite(s): MATH 262 and BIEN 314, or permission of the instructor  
Administering Faculty: Faculty of Engineering  
Teaching Department: Bioengineering  
Status (catalog level): Active

BIEN 420  
Credit Weight: 3  
Transcript Title: Biodevs Des for Diag&Screening  
Calendar Title: Biodevices Design for Diagnostics and Screening.  
Description:  
Design of analytical devices for high throughput screening (HTS) for genomics,  
proteomics and other ¿omics¿ applications; and for diagnostics for medical,  
veterinary, or environmental applications. Assessment of the specific requirements  
of each 'client' applications, followed by a review of specific regulations and  
guidelines. Theoretical and practical guidelines regarding the design of a  
specific micro- or nano-device, and comparison with the established state of the  
art in the chosen application.  
Notes:  
(3-2-4)  
Prerequisites: BIEN 340 and BIEN 390  
Administering Faculty: Faculty of Engineering  
Teaching Department: Bioengineering  
Status (catalog level): Active

BIEN 450  
Credit Weight: 3  
Transcript Title: Biolgcl Structs & Assemblies  
Calendar Title: Biological Structures and Assemblies.  
Description:  
Formation, functions and properties of natural structures and assemblies, which  
are distinct from human-made structures and assemblies. Analyze the  
fundamental phenomena of physics, chemistry and mathematics that define  
evolutionary optimization strategies found in nature.  
Notes:  
Prerequisites: BIEN 219 or permission of the instructor  
Administering Faculty: Faculty of Engineering  
Teaching Department: Bioengineering  
Status (catalog level): Active

BIEN 462  
Credit Weight: 3  
Transcript Title: Eng Principles in Physiol Sys
Calendar Title: Engineering Principles in Physiological Systems.
Description:
Basic aspects of human physiology. Applications of general balance equations and control theory to systems physiology. The course will cover: circulatory physiology, nervous system physiology, renal physiology and the musculoskeletal system.
Notes:
Prerequisite(s): BIEN 350 or permission of instructor.
Restriction(s): Not open to students who have taken CHEE 562.
(3-1-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 470
Credit Weight: 6
Transcript Title: Bioengineering Design Project
Calendar Title: Bioengineering Design Project.
Description:
A capstone group design project on an industrially relevant engineering problem of a biological nature. Student teams work in consultation with faculty and industrial consultants in the design of functional and practical systems, devices, or processes, taking into account safety, sustainability, management and economic considerations.
Notes:
Prerequisite(s): BIEN 390
1. (1-3-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 470D1
Credit Weight: 3
Transcript Title: Bioengineering Design Project
Calendar Title: Bioengineering Design Project.
Description:
A capstone group design project on an industrially relevant engineering problem of a biological nature. Student teams work in consultation with faculty and industrial consultants in the design of functional and practical systems, devices, or processes, taking into account safety, sustainability, management and economic considerations.
Notes:
Prerequisite(s): BIEN 390
1. (1-3-5)
Students must register for both BIEN 470D1 and BIEN 470D2
No credit will be given for this course unless both BIEN 470D1 and BIEN 470D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 470D2
Credit Weight: 3
Transcript Title: Bioengineering Design Project
Calendar Title: Bioengineering Design Project.
Description:
A capstone group design project on an industrially relevant engineering problem of a biological nature. Student teams work in consultation with faculty and industrial consultants in the design of functional and practical systems, devices, or processes, taking into account safety, sustainability, management and economic considerations.

Notes:
Prerequisite(s): BIEN 470D1
1. (1-3-5)
Students must register for both BIEN 470D1 and BIEN 470D2
No credit will be given for this course unless both BIEN 470D1 and BIEN 470D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 470N1
Credit Weight: 3
Transcript Title: Bioengineering Design Project
Calendar Title: Bioengineering Design Project.

Description:
A capstone group design project on an industrially relevant engineering problem of a biological nature. Student teams work in consultation with faculty and industrial consultants in the design of functional and practical systems, devices, or processes, taking into account safety, sustainability, management and economic considerations.

Notes:
Prerequisite(s): BIEN 390
1. (1-3-5)
Students must register for both BIEN 470N1 and BIEN 470N2.
No credit will be given for this course unless both BIEN 470N1 and BIEN 470N2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 470N2
Credit Weight: 3
Transcript Title: Bioengineering Design Project
Calendar Title: Bioengineering Design Project.

Description:
A capstone group design project on an industrially relevant engineering problem of a biological nature. Student teams work in consultation with faculty and industrial consultants in the design of functional and practical systems, devices, or processes, taking into account safety, sustainability, management and economic considerations.

Notes:
Prerequisite(s): BIEN 470N1
1. (1-3-5)
Students must register for both BIEN 470N1 and BIEN 470N2.
No credit will be given for this course unless both BIEN 470N1 and BIEN 470N2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 471
Credit Weight: 2
Transcript Title: Bioeng Research Project
Calendar Title: Bioengineering Research Project.
Description:
Individual guided research projects in bioengineering. Under the guidance of a research adviser, students will propose and implement a research plan that addresses a current gap in knowledge or industry need. Projects will be designed to provide experience in critical evaluation of primary research literature, experimental approaches and methodologies, quantitative analysis, mathematical modelling, and effective written and oral presentation of scientific ideas.
Notes:
Prerequisite(s): Permission of instructor.
1. (0-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 500
Credit Weight: 3
Transcript Title: Special Topics in Bioeng 1
Calendar Title: Special Topics in Bioengineering 1.
Description:
Selected special topics in bioengineering, given by current and visiting staff.
Notes:
Prerequisite: Permission of instructor
Restriction: Open to U4 or higher students.
(3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 510
Credit Weight: 3
Transcript Title: Eng'd Nanomtls for Biomed Appl
Calendar Title: Engineered Nanomaterials for Biomedical Applications.
Description:
Introduction to the interdisciplinary field of biomedical uses of nanotechnology. Emphasis on emerging nanotechnologies and biomedical applications including nanomaterials, nanoengineering, nanotechnology-based drug delivery systems, nano-based imaging and diagnostic systems, nanotoxicology and immunology, and translating nanomedicine into clinical investigation.
Notes:
Prerequisite(s): BIEN 200, CHEM 212, and BIOL 112, or permission of instructor
(3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 515
Credit Weight: 3
Transcript Title: Special Topics in Bioeng 2
Calendar Title: Special Topics in Bioengineering 2.
Description:
Introduction to new selected topics in bioengineering.
Notes:
3-2-4
Prerequisite: Permission of instructor
Restrictions: Open to undergraduate (U4 or higher) and graduate students.
Instruction given by regular or visiting staff.

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Bioengineering
**Status (catalog level):** Active

**BIEN 520**
**Credit Weight:** 3
**Transcript Title:** High Throughput Bio Devices
**Calendar Title:** High Throughput Bioanalytical Devices.
**Description:**
Introduction to the field of high throughput screening (HTS) analytical techniques and devices used for genomics, proteomics and other "omics" approaches, as well as for diagnostics, or for more special cases, e.g., screening for biomaterials. Introduction into the motivation of HTS and its fundamental physico-chemical challenges; techniques used to design, fabricate and operate HTS devices, such as microarrays and new generation DNA screening based on nanotechnology. Specific applications: DNA, protein and diagnostic and cell and tissue arrays.

**Notes:**
Prerequisite: Permission of instructor.
(3-0-6)

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Bioengineering
**Status (catalog level):** Active

**BIEN 525**
**Credit Weight:** 3
**Transcript Title:** Special Topics in Bioeng 3
**Calendar Title:** Special Topics in Bioengineering 3.
**Description:**
Introduction to new selected topics in bioengineering.

**Notes:**
3-0-6
Prerequisite: Permission of instructor
Restrictions: Open to undergraduate (U4 or higher) and graduate students.
Instruction given by regular or visiting staff.

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Bioengineering
**Status (catalog level):** Active

**BIEN 530**
**Credit Weight:** 3
**Transcript Title:** Imaging & Bio Instrumentation
**Calendar Title:** Imaging and Bioanalytical Instrumentation.
**Description:**
Microscopy techniques with application to biology and medicine. Practical introduction to optics and microscopy from the standpoint of biomedical research. Discussion of recent literature; hands-on experience. Topics include: optics, contrast techniques, advanced microscopy, and image analysis.

**Notes:**
Prerequisite: Permission of instructor.
(3-1-5)

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Bioengineering
**Status (catalog level):** Active
BIEN 535
Credit Weight: 3
Transcript Title: ElecMicro&3D Img for BioMatl's
Calendar Title: Electron Microscopy and 3D Imaging for Biological Materials.
Description:
Introduction to electron microscopy and 3D imaging. Dual-beam microscopy (FIB-SEM, or focused ion beam & scanning electron microscope); conventional and cryogenic preparation methods for biological materials. Complementary methods such as X-ray diffraction, X-ray tomography, atom probe tomography. 3D image processing and analysis, and the fundamentals of deep learning in imaging.
Notes:
3-3-3
Prerequisite: Permission of the instructor.
Restrictions: Open to undergraduate (U3 or higher) and graduate students.
Priority is given to bioengineering U3 undergraduate students.
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 540
Credit Weight: 3
Transcript Title: Info Storage&Proc in Biol Sys
Calendar Title: Information Storage and Processing in Biological Systems.
Description:
Storage and processing of information in biological systems, both natural and artificially-created, ranging from biomolecules, cells, and populations of cells. Information storage in DNA and DNA computation; molecular surfaces of proteins; computation with motile biological agents in networks; and biological and biologically-inspired algorithms.
Notes:
(3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 545
Credit Weight: 3
Transcript Title: DiagDevcs at the Point-of-Care
Calendar Title: Diagnostic Devices at the Point-of-Care.
Description:
The fundamental of diagnosis devices from design concepts to implementation in real-life application, a brief review of the gold standard diagnostic methods and their limitations, the building blocks of an ideal diagnostic device with a focus on point-of-care applications, biomolecular recognition elements including different one-step and multi-step assays based on nucleic acids and proteins, and the fundamental of sample delivery systems and fluid flow based on microfluidics, the integration of bioassays and microfluidics in lab-on-chip devices for automated sample preparation and detection, real-life application of lab-on-chip devices in medical diagnosis and the commercialized approaches.
Notes:
(3-0-6)
Prerequisite: BIEN 360, BIEN 314, or permission of the instructor
Restrictions: Restrictions: Open to undergraduate (U3 or higher) and graduate students.
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 550
Credit Weight: 3
Transcript Title: Biomolecular Devices
Calendar Title: Biomolecular Devices.
Description:
Fundamentals of motor proteins in neuronal transport, force generation e.g. in muscles, cell motility and division. A survey of recent advances in using motor proteins to power nano fabricated devices. Principles of design and operation; hands-on-experience in building a simple device.
Notes:
Prerequisite: Permission of instructor.
(3-1-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 560
Credit Weight: 3
Transcript Title: Design of Biosensors
Calendar Title: Design of Biosensors.
Description:
Introduction into the motivation of analytical biosensors as well as its fundamental physicochemical challenges. Techniques used to design, fabricate and operate biosensors. Specific applications.
Notes:
Prerequisite(s): Permission of instructor.
1. (3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 570
Credit Weight: 3
Transcript Title: Active Mechanics in Biology
Calendar Title: Active Mechanics in Biology.
Description:
Introduction to the role of active forces, e.g. cell and tissue contraction, in the mechanics of biological systems. Review of passive and actively driven viscoelastic systems and momentum transport underlying the material properties of biology. The course involves a literature survey and a team project application.
Notes:
Prerequisite(s): Permission of instructor.
1. (3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 580
Credit Weight: 3
Transcript Title: Synthetic Biology
Calendar Title: Synthetic Biology.
Description:
Engineering principles in biology, BioBricks and standardization of biological
components, parts registries, advanced molecular biology tools for DNA assembly, genome editing, high-throughput genetic manipulation methods, construction of biological pathways, strategies for transcriptional control, examples of engineered systems.

Notes:
Restriction: Permission of instructor
1. (3-2-4)
**Administering Faculty**: Faculty of Engineering
**Teaching Department**: Bioengineering
**Status (catalog level)**: Active

**BIEN 585**
**Credit Weight**: 3
**Transcript Title**: Metabolic Engineering
**Calendar Title**: Metabolic Engineering.

Notes:
3-2-4
Prerequisite: Permission of the instructor.
**Administering Faculty**: Faculty of Engineering
**Teaching Department**: Bioengineering
**Status (catalog level)**: Active

**BIEN 590**
**Credit Weight**: 3
**Transcript Title**: Cell Culture Engineering
**Calendar Title**: Cell Culture Engineering.
**Description**: Basic principles of cell culture engineering, cell line development and cell culture products; genomics, proteomics and post-translational modifications; elements of cell physiology for medium design and bioprocessing; bioreactor design, scale-up for animal cell culture and single use equipment; challenges in downstream processing of cell-culture derived products; process intensification: fed-batch, feeding strategies and continuous manufacturing; scale-down and process modeling; Process Analytical technologies and Quality by Design (QbD) concept.

Notes: (3-0-6)
Prerequisite: Permission of instructor.
**Administering Faculty**: Faculty of Engineering
**Teaching Department**: Bioengineering
**Status (catalog level)**: Active

**BIEN 595**
**Credit Weight**: 3
**Transcript Title**: Adv Biomol Systems Modelling
**Calendar Title**: Advanced Biomolecular Systems Modelling.
**Description**: Advanced methods for modelling complex biomolecular systems, with a focus on state-of-the-art, data-driven and integrative methods for modelling protein structures and networks. Modelling of protein structures: protein structure

Notes:
3-0-6
Prerequisites: BIEN 410 and COMP 208, or permission of the instructor

BIEN 670
Credit Weight: 3
Transcript Title: Downstream Processing
Calendar Title: Downstream Processing
Description:

Notes:
Prerequisites: BIEN 590 or permission of the instructor

BIEN 675
Credit Weight: 3
Transcript Title: Proc Analytical Technol&DataScis
Calendar Title: Process Analytical Technologies and Data Sciences
Description:
Introduction to Process Analytical Technologies (PAT) and Quality by Design (QbD) in the area of manufacturing biologics. Critical Process Parameters (CPP) and Design Space. Analytical Technologies for Biologics and Biologic Medicines and determination of Critical Quality Attributes of products. Case studies. At-line, On-line and Off-line monitoring tools, data acquisition and advanced process control strategies as applied to current industrial biomanufacturing. PAT data
processing and modeling to design advanced biomanufacturing processes.

Notes:
Prerequisites: BIEN 590 or permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 680
Credit Weight: 4
Transcript Title: Bioprocessing of Vaccines
Calendar Title: Bioprocessing of Vaccines.
Description:
Building on recent developments and expansion in the mammalian cell culture for production of complex biologics such as viral vaccines and viral vectors, the following topics will be covered: Principles of immunology and industrial virology; Cell physiology for vaccine production; Cell lines for vaccine production; Upstream process development and process intensification strategies; Purification and downstream processing of viral vaccines; Analytical and potency assays; Formulations and delivery of vaccines; Basics of clinical trials and regulatory principles; Immunization policies. Case studies on bioprocessing/manufacturing licensed vaccines.

Notes:
Prerequisite: Permission of Instructor.

Administering Faculty: Graduate Studies
Teaching Department: Bioengineering
Status (catalog level): Active

BIEN 685
Credit Weight: 3
Transcript Title: Gene&Cell Ther Vrl Vecs Biomfc
Calendar Title: Gene and Cell Therapy Viral Vectors Biomanufacturing.
Description:
Basic knowledge in the design and biomanufacturing of viral vectors for gene and cell therapy interventions. Practical examples and case studies highlighting challenges and solutions associated with use of viral vectors such as Adeno-Associated Vectors (AAV), lentivirus vectors and Adenovirus vectors for gene delivery. Fundamental principles of gene and cell therapies through in-vivo and ex-vivo interventions. Design of AAV, Lentivirus and Adenovirus vectors: example of targeted diseases, including CAR-T cell therapy. Technologies and modes of vector manufacturing for clinical use.

Notes:
Prerequisites: BIEN 590 or permission of the instructor
Restrictions: Not open to students who have taken or are taking BIEN 680

Administering Faculty: Graduate Studies
Teaching Department: Bioengineering
Status (catalog level): Active
BINF 301
Credit Weight: 3
Transcript Title: Intro to Bioinformatics
Calendar Title: Introduction to Bioinformatics.
Description:
Introduces analysis of DNA, RNA and protein sequences using computer software. Emphasis on implementation of molecular evolution theory for algorithms to make predictions of sequence function and infer the evolutionary history of sequences. Assessing analysis reliability and methods to improve efficiency of computer algorithms and their implications are discussed.
Notes:
Prerequisite(s): LSCI 202 or LSCI 204, and ANSC 326
Restriction: Not open to students who have taken BTEC 501.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

BINF 511
Credit Weight: 3
Transcript Title: Bioinformatics for Genomics
Calendar Title: Bioinformatics for Genomics.
Description:
Bioinformatics methods and reasoning in relation to genomics, proteomics and metabolomics strategies with an emphasis on functional genomics data. The course will cover introduction to UNIX, Perl programming, data processing and integration, file parsing, relational database design and implementation, angled towards solutions relevant for genomics.
Notes:
Prerequisite: Understanding of cell and molecular biology (equivalent to a cell or molecular biology course) or permission from instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

BINF 531
Credit Weight: 3
Transcript Title: Statistical Bioinformatics
Calendar Title: Statistical Bioinformatics.
Description:
Underlying concepts and techniques for the analyses of large-scale data sets, generated from "omics" platforms (e.g., metagenomics, metabolomics, transcriptomics, etc.), as well as different approaches for working with high-dimensional data. Students will gain experience in such software packages as R and Bioconductor for statistical analysis and data visualization.
Notes:
Prerequisites: AEMA 310 or equivalent; LSCI 204, LSCI 211, LSCI 230, or equivalent
Restriction: Open to U3 students and above
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Animal Science
Status (catalog level): Active

BINF 621
Credit Weight: 3
Transcript Title: Bioinformatics: Mol. Biology
Calendar Title: Bioinformatics: Molecular Biology.
Description:
The main problems related to the analysis of biological sequences (sequence comparison, homology, gene annotation, phylogenetic inference, comparative genomics) and the computational approaches (dynamic programming algorithms, Blast heuristics, hidden Markov models, Bayesian statistics).

Notes:
Restriction: Enrolment by students in the Bioinformatics option or by permission from the course coordinators only. Limited to 30 students.

Administrating Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

BINF 660
Credit Weight: 3
Transcript Title: Advances in Bioinformatics
Calendar Title: Advances in Bioinformatics.
Description:
An advanced bioinformatics project course with emphasis on creating solutions to biological questions. Course involves conducting a literature review, writing a short proposal, carrying out the project and writing a final report in the form of software documentation and/or a manuscript.

Notes:
Restriction: Open to students in the Graduate Certificate in Bioinformatics.
Administrating Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active
BIOSC 212

Credit Weight: 3
Transcript Title: Molec Mechanisms of Cell Funct
Calendar Title: Molecular Mechanisms of Cell Function.
Description:
An introductory course describing the biochemistry and molecular biology of selected key functions of animal cells, including: gene expression; mitochondrial production of metabolic energy; cellular communication with the extra-cellular environment; and regulation of cell division.
Notes:
Winter
Prerequisite: BIOL 200
Restrictions: A non-terminal course intended to be followed by BIOC 311; BIOC 312 in the U2 year. Not open to students who have taken or are taking BIOL 201 or ANAT 212.
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOSC 220

Credit Weight: 3
Transcript Title: Lab Meth in Biochem&Mol Biol 1
Calendar Title: Laboratory Methods in Biochemistry and Molecular Biology 1.
Description:
Introduction to key methodologies for the isolation, detection and characterization of proteins, lipids, nucleic acids and subcellular fractions, including spectrophotometry, assays of enzymatic activities and chromatographic and electrophoretic methods. Analysis of biochemical data.
Notes:
Prerequisite(s): BIOL 200
Corequisite(s): BIOC 212 and CHEM222
Restriction(s): Not open to students who have taken or are taking BIOL 301. Open to students in Biochemistry programs, others with permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOSC 311

Credit Weight: 3
Transcript Title: Metabolic Biochemistry
Calendar Title: Metabolic Biochemistry.
Description:
The generation of metabolic energy in higher organisms with an emphasis on its regulation at the molecular, cellular and organ level. Chemical concepts and mechanisms of enzymatic catalysis are also emphasized. Included: selected topics in carbohydrate, lipid and nitrogen metabolism; complex lipids and biological membranes; hormonal signal transduction.
Notes:
Fall
Prerequisites: BIOL 200, BIOL 201 or BIOC 212, CHEM 222 or CHEM 234
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOSC 312

Credit Weight: 3
Transcript Title: Biochemistry of Macromolecules
Calendar Title: Biochemistry of Macromolecules.
Description:
Gene expression from the start of transcription to the synthesis of proteins, their modifications and degradation. Topics covered: purine and pyrimidine metabolism; transcription and its regulation; mRNA processing; translation; targeting of proteins to specific cellular sites; protein glycosylation; protein phosphorylation; protein turn-over; programmed cell death (apoptosis).
Notes:
Winter
Prerequisites: BIOC 311, BIOL 200, BIOL 201 or BIOC 212
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 320
Credit Weight: 3
Transcript Title: Lab Meth in Biochem&Mol Biol 2
Calendar Title: Laboratory Methods in Biochemistry and Molecular Biology 2.
Description:
Modern molecular-biological methods for isolation and characterization of nucleic acids and for analysis of RNA and protein expression, including: plasmid expression, isolation, restriction and ligation; electrophoretic methods and Western blotting; PCR and qPCR applications; immunofluorescence microscopy and basic bioinformatics approaches.
Notes:
Prerequisite(s): BIOC 220
Restriction(s): Not open to students who have taken or are taking BIOL 301. Open to students in Biochemistry programs; others with permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.
Notes:
Fall/Winter
Prerequisites: MIMM 212 or BIOC 220 or BIOL 301 or an equivalent laboratory course in molecular and cell-biological methods, at least one term of undergraduate studies, and a CGPA of at least 3.0; or permission of instructor. A project proposal form must be completed by the student and instructor and approved by the course coordinator or his/her delegate before the start of the term. Instructors will list project-specific prerequisites with the project description.
Restrictions: Departmental permission required. Student cannot be supervised by same instructor for two 396 Science courses. S/U option not permitted. Open to students in programs offered by the Faculty of Science only. Note that enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See
https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biochemistry  
**Status (catalog level):** Active

**BIOC 404**  
**Credit Weight:** 3  
**Transcript Title:** Biophysical Methods in Biochem  
**Calendar Title:** Biophysical Methods in Biochemistry.  
**Description:** Applications and fundamental bases of important biophysical techniques used in modern biochemistry research laboratories to isolate, characterize and determine the structure and dynamics of proteins, nucleic acids, small molecules and complexes that underlie life and disease.  
**Notes:** Winter  
**Prerequisites:** CHEM 204, CHEM 214 or equivalent  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biochemistry  
**Status (catalog level):** Active

**BIOC 450**  
**Credit Weight:** 3  
**Transcript Title:** Protein Structure and Function  
**Calendar Title:** Protein Structure and Function.  
**Description:** Primary, secondary, tertiary and quaternary structure of enzymes. Active site mapping and site-specific mutagenesis of enzymes. Enzyme kinetics and mechanisms of catalysis. Multienzyme complexes.  
**Notes:** Fall  
**Prerequisites:** BIOC 311, BIOC 312 and/or sufficient organic chemistry.  
**Restriction:** Intended primarily for students at the U3 level  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biochemistry  
**Status (catalog level):** Active

**BIOC 454**  
**Credit Weight:** 3  
**Transcript Title:** Nucleic Acids  
**Calendar Title:** Nucleic Acids.  
**Description:** RNA processing, localization and stability. RNAi mechanisms, regulation and applications. Regulation of DNA replication. Genomics: human genome sequence, regulation and organization. DNA repair mechanisms. Special topics on transgenics, genetic diseases and cancer.  
**Notes:** Fall  
**Prerequisites:** BIOC 311, BIOC 312 or permission of instructor  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biochemistry  
**Status (catalog level):** Active

**BIOC 458**  
**Credit Weight:** 3
Transcript Title: Membranes & Cellular Signaling
Calendar Title: Membranes and Cellular Signaling.
Description:
An integrated treatment of the properties of biological membranes and of intracellular signaling, including the major role that membranes play in transducing and integrating cellular regulatory signals. Biological membrane organization and dynamics: membrane transport; membrane receptors and their associated effectors; mechanisms of regulation of cell growth, morphology, differentiation and death.
Notes:
Winter
Prerequisites: BIOC 212 or ANAT 212 or BIOL201, ANAT 262, one of PHGY 209 or BIOL 205; one of BIOC 312 or ANAT 365; BIOC 311 recommended
Restriction: This course is also listed as ANAT 458. Not open to students who have taken or are taking ANAT 458.
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 462
Credit Weight: 6
Transcript Title: Research Lab in Biochemistry
Calendar Title: Research Laboratory in Biochemistry.
Description:
A laboratory research project and related written review article all performed under the supervision of the same professor.
Notes:
Fall
Prerequisite(s): BIOC 320 and permission of the course coordinator and the research director.
Restriction: Restricted to Honours students in Biochemistry
Students must obtain consent of a prospective research director and the course coordinator in order to register
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 470
Credit Weight: 3
Transcript Title: Lipids&Lipoproteins in Disease
Calendar Title: Lipids and Lipoproteins in Disease.
Description:
Structure, function and metabolism of lipids and lipoproteins as they relate to lipid storage diseases, obesity, insulin resistance, diabetes, heart disease, Alzheimers disease and other neurological diseases. Transcriptional and post-translational mechanisms governing the synthesis and degradation of important enzymes, lipids, and lipid transport molecules; role of lipid mediators in signaling pathways and protein modification; assembly and dynamics of lipoproteins and biological membranes; genetic disruptions of lipid regulatory proteins such as cell surface receptors leading to human disease.
Notes:
Prerequisite(s): BIOC 311 or equivalent.
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active
BIOC 491
Credit Weight: 6
Transcript Title: Independent Research
Calendar Title: Independent Research.
Description: Individual work on a project to be performed in a research laboratory.
Notes: Winter
Prerequisite: BIOC 462
Restriction: Registration by departmental permission only
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 503
Credit Weight: 3
Transcript Title: Biochemistry of Immune Diseases
Calendar Title: Biochemistry of Immune Diseases.
Description: Current selected topics in immunology. The biochemical mechanisms underlying various immuno-pathologies and the clinical significance of therapeutic interventions.
Notes: Winter
Prerequisites: BIOC 311, BIOC 312
Administering Faculty: Faculty of Science
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 600
Credit Weight: 3
Transcript Title: Adv Strat in Genetics & Genomics
Calendar Title: Advanced Strategies in Genetics and Genomics.
Description: Advanced technologies and methods in genomics research, presented by experts actively pursuing the experimental approaches discussed.
Notes: Enrolment limited to 15 graduate students.
Prerequisite: BIOC 454 or equivalent
Restriction: Must take part in the Biochemistry graduate program
Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 603
Credit Weight: 3
Transcript Title: Genomics and Gene Expression
Calendar Title: Genomics and Gene Expression.
Description: Examination of recent developments in analysis of eukaryotic cell genomes and control of gene expression during differentiation and growth control. Molecular genetics; genomics and the bioinformatics of analysis of genomic and functional-genomic data; mechanisms and signal-transduction pathways for regulation of gene expression; applications to human disease with a strong emphasis on cancer.
Symbols: LIMT - Limited enrolment

Notes:

Fall

Prerequisites: BIOC 454 and permission of instructor.

Administering Faculty: Graduate Studies

Teaching Department: Biochemistry

Status (catalog level): Active

BIOC 604

Credit Weight: 3

Transcript Title: Macromolecular Structure

Calendar Title: Macromolecular Structure.

Description:
X-Ray crystallography, NMR spectroscopy, Electron Microscopy. Theory and methods used to determine macromolecular structures will be covered. Several practical sessions with hands-on experience for students are included.

Symbols: ALTY - Taught in alternate years

Notes:

Offered in the Winter term, in even alternate years.

Administering Faculty: Graduate Studies

Teaching Department: Biochemistry

Status (catalog level): Active

BIOC 605

Credit Weight: 3

Transcript Title: Protein Biology & Proteomics

Calendar Title: Protein Biology and Proteomics.

Description:
Examination of recent developments in protein biology and proteomics analysis. Proteomics, modeling and biophysical approaches to characterize the functional interactions of biological macromolecules; applications to biological problems. Lectures and in-class discussions are supplemented by practical training in proteomics.

Symbols: LIMT - Limited enrolment

Notes:

Winter

Prerequisite: BIOC 450 or equivalent, or permission of instructor.

Administering Faculty: Graduate Studies

Teaching Department: Biochemistry

Status (catalog level): Active

BIOC 610

Credit Weight: 1

Transcript Title: Seminars in Chemical Biology 1

Calendar Title: Seminars in Chemical Biology 1.

Description:
First multidisciplinary seminar in chemical biology.

Notes:

Restrictions: Open only to students registered for the M.Sc. or Ph.D. Graduate Option in Chemical Biology.

Administering Faculty: Graduate Studies

Teaching Department: Biochemistry

Status (catalog level): Active

BIOC 611

Credit Weight: 1
Transcript Title: Seminars in Chemical Biology 3  
Calendar Title: Seminars in Chemical Biology 3.  
Description: Third multidisciplinary seminar in chemical biology.  
Notes: Restrictions: Open only to students registered for the M.Sc. or Ph.D. Graduate Option in Chemical Biology. 
Administering Faculty: Graduate Studies 
Teaching Department: Biochemistry  
Status (catalog level): Active

BIOC 670  
Credit Weight: 3  
Transcript Title: Biochemistry of Lipoproteins  
Calendar Title: Biochemistry of Lipoproteins.  
Description: Structure, function and metabolism of lipids and lipoproteins as they relate to lipid storage diseases, obesity, diabetes and heart disease.  
Notes: Prerequisite: BIOC 311 or permission of instructor 
Restrictions: Open to graduate students only with permission of instructor. 
Winter  
Administering Faculty: Graduate Studies  
Teaching Department: Biochemistry  
Status (catalog level): Active

BIOC 689  
Credit Weight: 1  
Transcript Title: Seminars in Chemical Biology 2  
Calendar Title: Seminars in Chemical Biology 2.  
Description: Second multidisciplinary seminar in chemical biology.  
Notes: Restrictions: Open only to students registered for the M.Sc. or Ph.D. Graduate Option in Chemical Biology. Not open to students who have taken CHEM 689. 
Administering Faculty: Graduate Studies  
Teaching Department: Biochemistry  
Status (catalog level): Active

BIOC 690  
Credit Weight: 1  
Transcript Title: Seminars in Chemical Biology 4  
Calendar Title: Seminars in Chemical Biology 4.  
Description: Fourth multidisciplinary seminar in chemical biology.  
Notes: Restrictions: Open only to students registered for the M.Sc. or Ph.D. Graduate Option in Chemical Biology. Not open to students who have taken CHEM 690. 
Administering Faculty: Graduate Studies  
Teaching Department: Biochemistry  
Status (catalog level): Active

BIOC 694  
Credit Weight: 3  
Transcript Title: Thesis Research 4  
Calendar Title: Thesis Research 4.
Description:
Laboratory research focusing on the thesis research project for the M.Sc. degree in Biochemistry; Bioinformatics Option.

Notes:
Restriction: Open to students enrolled in the M.Sc. in Biochemistry (Bioinformatics Option) program.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 695
Credit Weight: 6
Transcript Title: Thesis Research 1 (Chem.-Bio.)
Calendar Title: Thesis Research 1 (Chemical - Biology).
Description:
Research toward completion of thesis.
Notes:
Restrictions: Open only to students registered for the M.Sc. Graduate Option in Chemical Biology.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 696
Credit Weight: 3
Transcript Title: Seminars in Biochemistry
Calendar Title: Seminars in Biochemistry.
Description:
Seminars in biochemistry.
Notes:
Restriction: Open to M.Sc. and Ph.D. Biochemistry students only.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 696D1
Credit Weight: 1.5
Transcript Title: Seminars in Biochemistry
Calendar Title: Seminars in Biochemistry.
Description:
Seminars in biochemistry.
Notes:
Students must register for both BIOC 696D1 and BIOC 696D2. No credit will be given for this course unless both BIOC 696D1 and BIOC 696D2 are successfully completed in consecutive terms. BIOC 696D1 and BIOC 696D2 together are equivalent to BIOC 696
Restriction: Open to M.Sc. and Ph.D. Biochemistry students only.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 696D2
Credit Weight: 1.5
Transcript Title: Seminars in Biochemistry
Calendar Title: Seminars in Biochemistry.
Description:
See BIOC 696D1 for course description.

Notes:
Prerequisite: BIOC 696D1.
Students must register for both BIOC 696D1 and BIOC 696D2.
No credit will be given for this course unless both BIOC 696D1 and BIOC 696D2 are successfully completed
Restriction: Open to M.Sc. and Ph.D. Biochemistry students only.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 696N1
Credit Weight: 1.5
Transcript Title: Seminars in Biochemistry
Calendar Title: Seminars in Biochemistry.
Description:
Seminars in biochemistry.
Notes:
Students must also register for BIOC 696N2
No credit will be given for this course unless both BIOC 696N1 and BIOC 696N2 are successfully completed in a twelve month period.
BIOC 696N1 and BIOC 696N2 together are equivalent to BIOC 696
Restriction: Open to M.Sc. and Ph.D. Biochemistry students only.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 696N2
Credit Weight: 1.5
Transcript Title: Seminars in Biochemistry
Calendar Title: Seminars in Biochemistry.
Description:
For description see BIOC 696N1.
Notes:
Prerequisite: BIOC 696N1
No credit will be given for this course unless both BIOC 696N1 and BIOC 696N2 are successfully completed in a twelve month period.
Restriction: Open to M.Sc. and Ph.D. Biochemistry students only.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 697
Credit Weight: 9
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 698
Credit Weight: 12
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 699
Credit Weight: 15
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 701
Credit Weight: 0
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.
Description: Presentation on original current laboratory research carried out by student.
Notes: Biochemistry graduate students
Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 702
Credit Weight: 0
Transcript Title: Ph.D. Thesis Proposal
Calendar Title: Ph.D. Thesis Proposal.
Description: Dissertation presented to Committee.
Notes: Biochemistry graduate students
Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active

BIOC 703
Credit Weight: 0
Transcript Title: Ph.D. Seminar
Calendar Title: Ph.D. Seminar.
Description: Presentation of the planned thesis including central findings and original contribution to knowledge in the field of research.
Notes: Restriction: Ph.D. students in Biochemistry
Administering Faculty: Graduate Studies
Teaching Department: Biochemistry
Status (catalog level): Active
**BIOE 680**

**Credit Weight:** 3

**Transcript Title:** Bioethical Theory

**Calendar Title:** Bioethical Theory.

**Description:**
Overview of moral theoretical approaches to bioethics, as well as explorations of critical responses, meta-ethical foundations, methodological questions, and ethical issues arising in bioethics scholarship.

**Symbols:** LIMT - Limited enrolment

**Notes:**

- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Population and Global Health
- **Status (catalog level):** Active

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**BIOE 681**

**Credit Weight:** 3

**Transcript Title:** Bioethics Practicum

**Calendar Title:** Bioethics Practicum.

**Description:**
Four hours per week supervised placement within health care settings (e.g., intensive care, family practice, clinical ethics committees). In addition, students shall be assigned for the last month of the term to a single intensive placement. Participation in rounds, case discussions, and a weekly seminar.

**Symbols:** LIMT - Limited enrolment

**Notes:**

- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Population and Global Health
- **Status (catalog level):** Active

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**BIOE 686**

**Credit Weight:** 3

**Transcript Title:** Directed Readings 1

**Calendar Title:** Directed Readings 1.

**Description:**
Supervised reading and writing assignments in special topics under the direction of a member of staff.

**Notes:**

- **Prerequisite:** Permission of the instructor
- **Restriction:** Student may take a maximum of 1 reading course per term.
- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Population and Global Health
- **Status (catalog level):** Active

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**BIOE 687**

**Credit Weight:** 3

**Transcript Title:** Directed Readings 2

**Calendar Title:** Directed Readings 2.

**Description:**
Supervised reading and writing assignments in special topics under the direction of a member of the staff.

**Notes:**

- **Prerequisite:** Permission of the instructor
- **Restriction:** Student may take a maximum of 1 reading course per term.
- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Population and Global Health
- **Status (catalog level):** Active
BIOE 690
Credit Weight: 3
Transcript Title: M.Sc. Thesis Literature Survey
Calendar Title: M.Sc. Thesis Literature Survey.
Description: A comprehensive literature survey in the general area of the thesis topic, to be completed in the first semester.
Administering Faculty: Graduate Studies
Teaching Department: Population and Global Health
Status (catalog level): Active

BIOE 691
Credit Weight: 3
Transcript Title: M.Sc. Thesis Research Proposal
Calendar Title: M.Sc. Thesis Research Proposal.
Description: Independent work under the supervision of the thesis advisor(s) leading to a thesis proposal.
Administering Faculty: Graduate Studies
Teaching Department: Population and Global Health
Status (catalog level): Active

BIOE 692
Credit Weight: 6
Transcript Title: M.Sc. Thesis Res Progress Rep
Description: A status report on the progress in the thesis research.
Administering Faculty: Graduate Studies
Teaching Department: Population and Global Health
Status (catalog level): Active

BIOE 692D1
Credit Weight: 3
Transcript Title: M.Sc. Thesis Res Progress Rep
Description: A status report on the progress in the thesis research.
Notes: Students must register for both BIOE 692D1 and BIOE 692D2
No credit will be given for this course unless both BIOE 692D1 and BIOE 692D2 are successfully completed in consecutive terms
BIOE 692D1 and BIOE 692D2 together are equivalent to BIOE 692
Administering Faculty: Graduate Studies
Teaching Department: Population and Global Health
Status (catalog level): Active

BIOE 692D2
Credit Weight: 3
Transcript Title: M.Sc. Thesis Res Progress Rep
Description: A status report on the progress in the thesis research.
Notes: Prerequisite: BIOE 692D1
No credit will be given for this course unless both BIOE 692D1 and BIOE 692D2 are successfully completed in consecutive terms.

BIOE 692D1 and BIOE 692D2 together are equivalent to BIOE 692.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Population and Global Health

**Status (catalog level):** Active

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**BIOE 693**

- **Credit Weight:** 12
- **Transcript Title:** M.Sc. Thesis
- **Calendar Title:** M.Sc. Thesis.
- **Description:**
  Independent work under the supervision of the thesis advisor(s) leading to a thesis manuscript.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Population and Global Health

**Status (catalog level):** Active

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**BIOE 693D1**

- **Credit Weight:** 6
- **Transcript Title:** M.Sc. Thesis
- **Calendar Title:** M.Sc. Thesis.
- **Description:**
  Independent work under the supervision of the thesis advisor(s) leading to a thesis manuscript.

**Notes:**
Students must register for both BIOE 693D1 and BIOE 693D2.

No credit will be given for this course unless both BIOE 693D1 and BIOE 693D2 are successfully completed in consecutive terms.

BIOE 693D1 and BIOE 693D2 together are equivalent to BIOE 693.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Population and Global Health

**Status (catalog level):** Active

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**BIOE 693D2**

- **Credit Weight:** 6
- **Transcript Title:** M.Sc. Thesis
- **Calendar Title:** M.Sc. Thesis.
- **Description:**
  Independent work under the supervision of the thesis advisor(s) leading to a thesis manuscript.

**Notes:**
Prerequisite: BIOE 693D1

No credit will be given for this course unless both BIOE 693D1 and BIOE 693D2 are successfully completed in consecutive terms.

BIOE 693D1 and BIOE 693D2 together are equivalent to BIOE 693.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Population and Global Health

**Status (catalog level):** Active

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**BIOE 694**

- **Credit Weight:** 3
- **Transcript Title:** Independent Studies 3
- **Calendar Title:** Independent Studies 3.
- **Description:**
  Independent study of a selected field or topic.
Administering Faculty: Graduate Studies
Teaching Department: Population and Global Health
Status (catalog level): Active
BIOL 101
Credit Weight: 1
Transcript Title: Organismal Biology Laboratory
Calendar Title: Organismal Biology Laboratory.
Description:
Laboratory component of BIOL 111. May be taken only by transfer students who have completed elsewhere the lecture component but not the laboratory of BIOL 111 and only with permission of the Associate Dean (Student Affairs) of Science.
Notes:
Fall
3 hours laboratory
Restriction: Not open to students who have taken, or are taking BIOL 111.
Labs are held weekly, starting from the second week of term. Attendance at the first lab is mandatory to confirm registration in the course.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 102
Credit Weight: 1
Transcript Title: Cell&Molecular Biology Methods
Calendar Title: Cell and Molecular Biology Methods.
Description:
The laboratory component of BIOL 112. May be taken only by transfer students who have completed elsewhere the lecture component but not the laboratory of BIOL 112 and only with permission of the Associate Dean (Student Affairs) of Science.
Notes:
Winter
3 hours laboratory
Restriction: Not open to students who are taking, or have taken BIOL 112.
Labs are held weekly, starting from the second week of term. Attendance at the first lab is mandatory to confirm registration in the course.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 111
Credit Weight: 3
Transcript Title: Principles:Organismal Biology
Calendar Title: Principles: Organismal Biology.
Description:
An introduction to the phylogeny, structure, function and adaptation of unicellular organisms, plants and animals in the biosphere.
Notes:
Fall
2 hours lecture and 3 hours laboratory
Restriction: Not open to students who have taken CEGEP objective 00UK or equivalent; or BIOL 115.
This course serves as an alternative to CEGEP objective code 00UK
Labs are held weekly, starting from the second week of term. Attendance at the first lab is mandatory to confirm registration in the course.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 112
Credit Weight: 3
Transcript Title: Cell and Molecular Biology
Calendar Title: Cell and Molecular Biology.
Description: The cell: ultrastructure, division, chemical constituents and reactions. Bioenergetics: photosynthesis and respiration. Principles of genetics, the molecular basis of inheritance and biotechnology.
Notes: Winter
2 hours lecture and 3 hours laboratory
Labs are held weekly, starting from the second week of term. Attendance at the first lab is mandatory to confirm registration in the course.
This course serves as an alternative to CEGEP objective code 00XU
Restriction: Not open to students who have taken or are taking CEGEP objective 00XU or equivalent; or BIOL 115; or AEBI 122
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 115
Credit Weight: 3
Transcript Title: Essential Biology
Calendar Title: Essential Biology.
Description: An introduction to biological science that emphasizes the manner in which scientific understanding is achieved and evolves and the influence of biological science on society. Topics will include cell structure and function, genetics, evolution, organ physiology, ecology and certain special topics that change from year to year.
Notes: Fall
3 hours lecture
Prerequisites: none.
Restrictions: Open only to non-Science students; not open to students who have had BIOL 111, BIOL 112, or equivalents.
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 200
Credit Weight: 3
Transcript Title: Molecular Biology
Calendar Title: Molecular Biology.
Description: The physical and chemical properties of the cell and its components in relation to their structure and function. Topics include: protein structure, enzymes and enzyme kinetics; nucleic acid replication, transcription and translation; the genetic code, mutation, recombination, and regulation of gene expression.
Notes: Fall
3 hours lecture, 1 hour optional tutorial
Prerequisite: BIOL 112 or equivalent
Corequisite: CHEM 212 or equivalent, or CHEM 204
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active
BIOL 201
Credit Weight: 3
Transcript Title: Cell Biology & Metabolism
Calendar Title: Cell Biology and Metabolism.
Description:
This course introduces the student to our modern understanding of cells and how they work. Major topics to be covered include: photosynthesis, energy metabolism and metabolic integration; plasma membrane including secretion, endocytosis and contact mediated interactions between cells; cytoskeleton including cell and organelle movement; the nervous system; hormone signaling; the cell cycle.
Notes:
Winter
3 hours lecture, 1 hour optional tutorial
Prerequisite: BIOL 200.
Restriction: Not open to students who have taken or are taking ANAT 212 or BIOC 212
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 202
Credit Weight: 3
Transcript Title: Basic Genetics
Calendar Title: Basic Genetics.
Description:
Introduction to basic principles, and to modern advances, problems and applications in the genetics of higher and lower organisms with examples representative of the biological sciences.
Notes:
Winter
3 hours lecture, 1 hour optional tutorial per week
Prerequisite: BIOL 200 or BIOL 219
Restriction: Not open to students who have taken or are taking LSCI 204 or BIOL 302.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 205
Credit Weight: 3
Transcript Title: Functional Biol of Plnts&Anmls
Calendar Title: Functional Biology of Plants and Animals.
Description:
Unified view of form and function in animals and plants. Focus on how the laws of chemistry and physics illuminate biological processes relating to the acquisition of energy and materials and their use in movement, growth, development, reproduction and responses to environmental stress.
Notes:
Winter
3 hours lecture, optional conference hour
Prerequisites: BIOL 200 and PHYS 101 or 131 or equivalent
Corequisite: ANAT 212/BIOC 212 or BIOL 201
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active
BIOL 206
Credit Weight: 3
Transcript Title: Methods in Biology
Calendar Title: Methods in Biology.
Description:
Introduction to modern methods used in organismal biology, including ecological sampling, experimental methods and statistics. Particular emphasis is on ways of thinking about the design of sampling programs and the analyses of data to test hypotheses using observational or experimental data.
Notes:
Fall
1. 2 hours lecture, 2. 3 hours laboratory
Prerequisite: BIOL 111 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 210
Credit Weight: 3
Transcript Title: Perspectives of Science
Calendar Title: Perspectives of Science.
Description:
This course is an introduction to the thinking, language and practices of scientists. Its objective is to bridge the gap between science and the humanities, and in particular to allow students enrolled in the Minor Concentration in Science for Arts to pursue their interests in specific scientific disciplines.
Notes:
Fall
3 hours lecture
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 215
Credit Weight: 3
Transcript Title: Intro to Ecology and Evolution
Calendar Title: Introduction to Ecology and Evolution.
Description:
An introduction to the fundamental processes of ecology and evolution that bear on the nature and diversity of organisms and the processes that govern their assembly into ecological communities and their roles in ecosystem function.
Notes:
Fall
3 hours lecture
Prerequisite: BIOL 111
Restriction: Not open to students who have taken ENVR 202
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 216
Credit Weight: 3
Transcript Title: Biology of Behaviour
Calendar Title: Biology of Behaviour.
Description:
Introduction to the study of animal behaviour at the population, organismal, cellular, and molecular levels. Historical and contemporary methods and experiments will be presented and discussed to provide an overall appreciation of the biology of behaviour, with a focus on the application of multiple levels of analysis to biological phenomena and the formulation of hypotheses about evolution, development, function, and mechanisms of behavioural traits. Topics will range from how animals communicate with one another to the cellular mechanisms that allow information to be processed by nervous systems.

Notes:
Prerequisites: BIOL 111 and BIOL 112 or equivalents

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 219
Credit Weight: 4
Transcript Title: Intro to Phys Mol & Cell Biol
Calendar Title: Introduction to Physical Molecular and Cell Biology.
Description:
An introduction to molecular and cell biology from a physical perspective. Techniques and methodologies, both experimental and computational, are included in the presentation of each thematic module.
Notes:
Prerequisite(s): BIOL 112; CHEM 110 and CHEM 120; MATH 140, MATH 141 and MATH 133; PHYS 131 and PHYS 142; or the equivalents of these courses.
Corequisite(s): MATH 222 or equivalent
Restriction(s): Not open to students who have taken or are taking ANAT 212, BIOC 212, BIOL 200, and BIOL 201, or BIEN 219. Only open to students in Bioengineering, Computer Science-Biology, Biology-Mathematics, Biology-Quantitative Biology, Chemistry-Biophysical Chemistry, and Physics-Biological Physics Options.
This course is meant to prepare students for related 300-level courses in Biology, Chemistry, Engineering and Physics.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 240
Credit Weight: 3
Transcript Title: Monteregian Flora
Calendar Title: Monteregian Flora.
Description:
Field studies of ferns, fern allies, conifers and flowering plants; the use of keys for plant identification.
Notes:
Prerequisite: BIOL 111 or permission
Restriction: Not open to students who have taken PLNT 358
Note: Taught at the Gault Nature Reserve. Contact instructor for specific dates, logistics: (virginie.millien@mcgill.ca).
This course is offered in the summer.
This course, given at the University’s Gault Nature Reserve in Mont St. Hilaire, has an additional fee of $471.42 which includes a hand lens, a textbook, handouts, lodging and supper each day.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active
BIOL 300
Credit Weight: 3
Transcript Title: Molecular Biology of the Gene
Calendar Title: Molecular Biology of the Gene.
Description:
A survey of current knowledge and approaches in the area of regulation of gene expression, post-transcriptional control of gene expression, and signal transduction.
Notes:
Fall
3 hours lecture
Prerequisites: BIOL 219 or BIOL 200 plus either BIOL 201 or ANAT 212/BIOC 212
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 301
Credit Weight: 4
Transcript Title: Cell and Molecular Laboratory
Calendar Title: Cell and Molecular Laboratory.
Description:
An introduction to biology research and communication with a focus on cell and molecular biology. Through conducting a series of project-based experiments and writing a final report, molecular and synthetic biology techniques such as gene cloning, manipulation, protein isolation and characterization and how research is conducted, analyzed and communicated will be addressed. In addition, an introduction to bioinformatics methods and their role in analysis will be provided.
Notes:
Fall or Winter
1 hour lecture and one 6-hour laboratory
Prerequisites: BIOL 200, BIOL 201 (or ANAT 212/BIOC 212); or BIOL 219
Restrictions: Not open to students who have taken or are taking BIOC 300, or BIOC 220 and BIOC 320. Requires departmental approval.
For approval email maxime.leroux@mcgill.ca. Specify your ID number as well as the term and two lab day preferences.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 302
Credit Weight: 3
Transcript Title: Fundamentals of Genetics & Genomics
Calendar Title: Fundamentals of Genetics and Genomics.
Description:
Trait variation within and across populations and species and how this reflects variation within genomes. Case studies and problem-solving approaches will be used to illustrate the tools of genomics, molecular genetics and classical genetics, and how they are employed to understand the mechanisms of phenotypic variation. Topics will include evolutionary, developmental and human genetics. Application of multiple levels of genetic analysis, formulation, and testing of hypotheses on critical topics ranging from evolution to developmental biology to human genetics.
Notes:
Prerequisites: BIOL 200 or BIOL 219; BIOL 215, or permission of instructor.
Restrictions: Not open to students who have taken or are taking BIOL202.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**BIOL 303**

**Credit Weight:** 3

**Transcript Title:** Developmental Biology

**Calendar Title:** Developmental Biology.

**Description:**
A consideration of the fundamental processes and principles operating during embryogenesis. Experimental analyses at the molecular, cellular, and organismal levels will be presented and discussed to provide an overall appreciation of developmental phenomena.

**Notes:**
Winter

3 hours lecture and 1 hour optional tutorial

Prerequisites: BIOL 202 or BIOL 302; BIOL 219 or BIOL 200 plus either BIOL 201 or ANAT212/BIOC212


Restrictions: Not open to students who have taken ANAT 381.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**BIOL 304**

**Credit Weight:** 3

**Transcript Title:** Evolution

**Calendar Title:** Evolution.

**Description:**
A comprehensive introduction to evolutionary biology. It covers both short-term and long-term evolutionary processes. Topics include the history of life, the origin of species, adaptation, natural selection and sexual selection.

**Notes:**
Fall

2 hours lecture 3 hours lab

Prerequisite: BIOL 205 and BIOL 215 or ENVR 202

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**BIOL 305**

**Credit Weight:** 3

**Transcript Title:** Animal Diversity

**Calendar Title:** Animal Diversity.

**Description:**
The characteristics of the major groups of animals, their ancestry, history and relationship to one another. The processes of speciation, adaptive radiation and extinction responsible for diversity. Methods for constructing of phylogenies, for comparing phenotypes, and for estimating and analyzing diversity.

**Notes:**
Winter

2 hours lecture and 1 three-hour laboratory

Prerequisite: BIOL 215 or both ENVR 200 and ENVR 202

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology
Status (catalog level): Active

BIOL 306
Credit Weight: 3
Transcript Title: Neural Basis of Behaviour
Calendar Title: Neural Basis of Behaviour.
Description:
Neural mechanisms of animal behaviour; neuroethology; cellular neurophysiology, integrative networks within nervous systems; neural control of movement; processing of sensory information.
Notes:
Fall
3 hours lecture
Prerequisite: PHYS 102 or PHYS 142 or CEGEP Physics, and one of the following: BIOL 216, NSCI 200, or PHGY 209, or permission of the instructor.
Restriction: Not open to students who have taken PSYC 308.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 307
Credit Weight: 3
Transcript Title: Behavioural Ecology
Calendar Title: Behavioural Ecology.
Description:
How an organism’s behaviour relates to its physical, biological, and social environment, using evolutionary and ecological perspectives. Emphasis is on general principles, covering topics such as feeding, predator avoidance, aggression, reproduction, social behaviour, communication and cognition.
Notes:
Winter
In some weeks, lecture will be replaced by interactive discussion periods, practical exercises, or student presentations
Prerequisites: BIOL 215 and BIOL 216 (or equivalents), or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 308
Credit Weight: 3
Transcript Title: Ecological Dynamics
Calendar Title: Ecological Dynamics.
Description:
Principles of population, community, and ecosystem dynamics: population growth and regulation, species interactions, dynamics of competitive interactions and of predator/prey systems; evolutionary dynamics.
Notes:
Fall
3 hours lecture, 1 hour computer lab/tutorial
Prerequisite: BIOL 215 or both ENVR 200 and ENVR 202
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 309
Credit Weight: 3
Transcript Title: Mathematical Models in Biology
Calendar Title: Mathematical Models in Biology.
Description:
Application of finite difference and differential equations to problems in cell and developmental biology, ecology and physiology. Qualitative, quantitative and graphical techniques are used to analyze mathematical models and to compare theoretical predictions with experimental data.
Notes:
Fall
3 hours lecture
Prerequisites: BIOL 200, BIOL 201 (or ANAT 212/BIOC 212); or BIOL 219
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 310
Credit Weight: 3
Transcript Title: Biodiversity and Ecosystems
Calendar Title: Biodiversity and Ecosystems.
Description:
Ecological bases of the natural causes and consequences of current global environmental changes, including how biodiversity and ecosystem processes are defined and measured, how they vary in space and time, how they are affected by physical and biological factors, and how they affect each other and human societies.
Notes:
Winter
3 hours lecture
one-day field trip to Mont St-Hilaire
Prerequisite: BIOL 215; or ENVR 200 and ENVR 202; MATH 112 or equivalent; or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 311
Credit Weight: 3
Transcript Title: Adv Methods: Organismal Biology
Calendar Title: Advanced Methods in Organismal Biology.
Description:
Application of methods and techniques used by organismal biologists, paired with the design of sampling programs to test hypotheses using observational or experimental data, and the analysis of data. Topics include DNA barcoding/metabarcoding and experimental evolution.
Notes:
Prerequisites: BIOL 200 or BIOL 219; BIOL 206, COMP 204, and BIOL 202 or BIOL 302.
Restrictions: Not open to students who have taken BIOL 206 prior to Fall 2020
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 313
Credit Weight: 3
Transcript Title: Eukaryotic Cell Biology
**Calendar Title:** Eukaryotic Cell Biology.

**Description:**
In-depth examination of the structure and function of eukaryotic cells, with an emphasis on experimental design and interpretation. Examination of the molecular mechanisms of various cellular processes, including protein homeostasis, intracellular transport, cytoskeletal dynamics, multicellular organization and cell proliferation.

**Notes:**
Winter
3 hours lecture and 1 hour optional tutorial
Prerequisites: BIOL 202 or BIOL 302; BIOL 219 or BIOL 200 plus either BIOL 201 or ANAT 212/BIOC 212

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**Biol 314**
**Credit Weight:** 3

**Transcript Title:** Molecular Biology of Cancer

**Calendar Title:** Molecular Biology of Cancer.

**Description:**
The molecular basis of human cancers, including analyzing the events that promote the formation of oncogenes and inhibit tumour suppressor genes, the biochemical properties of the proteins encoded by these genes, and their functions. Current molecular targets for cancer therapy and the concepts and consequences of inheriting mutations in genes that predispose to cancer.

**Notes:**
Fall
3 hours lecture
Prerequisites: BIOL 200, and BIOL 201 or ANAT 212 /BIOC 212; or BIOL 219.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**Biol 316**
**Credit Weight:** 3

**Transcript Title:** Biomembranes and Organelles

**Calendar Title:** Biomembranes and Organelles.

**Description:**
The course focuses on biomembranes and subcellular organelles and their implications for disease. The topics include: protein and lipid biochemistry, membrane structure and transport; intracellular compartmentalization, protein sorting and modification, intracellular membrane trafficking; energy transfer, organization and dynamics of chloroplasts and mitochondria; extracellular matrix and cell walls.

**Notes:**
Fall
Prerequisites: BIOL 201 or ANAT 212/BIOC 212

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**Biol 319**
**Credit Weight:** 3

**Transcript Title:** Introduction to Biophysics

**Calendar Title:** Introduction to Biophysics.
Emerging physical approaches and quantitative measurement techniques are providing new insights into longstanding biological questions. This course will present underlying physical theory, quantitative measurement techniques, and significant findings in molecular and cellular biophysics. Principles covered include Brownian motion, low Reynolds-number environments, forces relevant to cells and molecules, chemical potentials, and free energies. These principles are applied to enzymes as molecular machines, membranes, DNA, and RNA.

Notes:
Winter. Students with training in physics and biology will be well-suited to the course.

Prerequisites: BIOL 200 or BIOL 219; MATH 222; PHYS 230 and (PHYS 232 or PHYS 253), or permission of the instructor.
Restriction: Not open to students who have taken or are taking PHYS 319

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 320
Credit Weight: 3
Transcript Title: Evolution of Brain & Behaviour
Calendar Title: Evolution of Brain and Behaviour.
Description:
Functional and comparative approach to neuroanatomy, examining how species changes in brain organization contribute to evolutionary changes in behaviour.
Notes:
Winter
2 hours of lecture and 1 hour of conference (mandatory)
Prerequisite: NSCI 201 or BIOL 306

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 324
Credit Weight: 3
Transcript Title: Ecological Genetics
Calendar Title: Ecological Genetics.
Description:
Presents evolutionary genetics within an ecological context. Covers theoretical and applied topics together with relevant data from natural populations of plant and animals.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
Prerequisite: BIOL 202 or BIOL 302
Two lectures per week; one required computer lab or conference per week

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 331
Credit Weight: 3
Transcript Title: Ecology/Behaviour Field Course
Calendar Title: Ecology/Behaviour Field Course.
Description:
Methods of sampling natural populations. Testing hypotheses in nature.
Notes:
Prerequisites: BIOL 206 and BIOL 215, or equivalents, or permission of the instructor.
Note: This course has an additional fee. The Department of Biology subsidizes a portion of the cost for this activity.
The field portion of this course is given at the University’s Gault Nature Reserve in Mont St. Hilare over a two-week period in the summer term. In the summer, students prepare a report based on projects carried out during this field portion. There is an additional fee of $668.32 that covers room and board and handouts. This fee could be refundable if the department approves it.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 334D1
Credit Weight: 1.5
Transcript Title: Applied Tropical Ecology
Calendar Title: Applied Tropical Ecology.
Description:
Relevant to agriculture, forestry, fisheries and conservation of natural resources. Field component taught at the University's Bellairs Research Institute in Barbados, for two weeks in early May. The course is organized in a series of small-group field projects of 2-3 days each. Interested students should check the course website, attend the full information session and fill out an application form.

Notes:
Winter, Summer
Prerequisites: BIOL 206; and BIOL 215 or both ENVR 200 and ENVR 202; and permission of the instructor.
Students must register for both BIOL 334D1 and BIOL 334D2.
No credit will be given for this course unless both BIOL 334D1 and BIOL 334D2 are successfully completed in consecutive terms
BIOL 334D1 and BIOL 334D2 together are equivalent to BIOL 334

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 334D2
Credit Weight: 1.5
Transcript Title: Applied Tropical Ecology
Calendar Title: Applied Tropical Ecology.
Description:
See BIOL 334D1 for course description.

Notes:
Winter, Summer
Prerequisites: BIOL 206; and BIOL 215 or both ENVR 200 and ENVR 202; and permission of the instructor.
Students must register for both BIOL 334D1 and BIOL 334D2.
No credit will be given for this course unless both BIOL 334D1 and BIOL 334D2 are successfully completed in consecutive terms
This course, given in Barbados, has an additional fee of $1,694.83 to cover the costs of room and board at Bellairs Research Institute, the course pack and all other expenses during the course. It does not cover tuition, airfare, flight insurance, airport taxes, meals in transit, or the cost of supplementary health insurance. The fee is only refundable prior to the deadline to withdraw with full refund.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 335
Credit Weight: 3
Transcript Title: Marine Mammals
Calendar Title: Marine Mammals.
Description:
Biology of marine mammals with special emphasis on seals and whales of the Bay of Fundy. Taught at the Huntsman Marine Science Centre, St. Andrews, N.B., for two weeks in August. The course combines lectures, laboratory exercises, field trips, and individual projects.
Notes:
Prerequisite: BIOL 205
This course is offered in the summer.
Apply first to Huntsman, then contact susan.gabe@mcgill.ca.
The fee for this field course is $1804, to cover fees related to the use of facilities for teaching and lab spaces in the Huntsman Marine Center (lodging, meals, facility rental spaces, transportation and tour fees).

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 342
Credit Weight: 3
Transcript Title: Glob Chng Biol of Aquat Ecosys
Calendar Title: Global Change Biology of Aquatic Ecosystems.
Description:
An introduction to freshwater and marine biology. Topics include the structure and functioning of the major aquatic ecosystems and how these aspects are affected by global change drivers.
Notes:
Winter
Prerequisite(s): BIOL 205, and BIOL 215 or both ENVR 200 and ENVR 202

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 343
Credit Weight: 3
Transcript Title: Biodiversity in the Caribbean
Calendar Title: Biodiversity in the Caribbean.
Description:
Biodiversity loss and the measure of ecological integrity of ecosystems, patterns of diversification and evolution of terrestrial and oceanic biotas in the Caribbean.
Notes:
Corequisites: GEOG 340, ATOC 341, FSCI 444 or permission of the Program Director.
Restrictions: Open to U2 and U3 students from all faculties who are registered in the Barbados Field Study Semester, with minimum CGPA of 3.0.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 350
Credit Weight: 3  
Transcript Title: Insect Biology and Control  
Calendar Title: Insect Biology and Control.  
Description:  
Introduction to insect structure, physiology, biochemistry, development,  
systematics, evolution, ecology and control. Stress on interrelationships and  
integrated pest control.  
Notes:  
Fall  
3 hours lecture  
Prerequisite: BIOL 205 or permission of instructor.  
Restriction: Not open to students who have taken or are taking ENTO 330 or ENTO 350.  
Note: This course is also offered as ENTO 350 in the winter term.  
Administering Faculty: Faculty of Science  
Teaching Department: Biology  
Status (catalog level): Active  

BIOL 352  
Credit Weight: 3  
Transcript Title: Dinosaur Biology  
Calendar Title: Dinosaur Biology.  
Description:  
Using dinosaurs as exemplars, this course teaches aspects of comparative,  
functional, and developmental morphology, macroevolution, macroecology, and  
phylogenetic systematics. Lab dissections will explore vertebrate anatomy.  
Symbols: ALTY - Taught in alternate years  
Notes:  
Winter  
2 hours lecture, 3 hours laboratory  
Prerequisites: BIOL 215 or ENVR 202 or EPSC 233 or permission of instructor.  
Administering Faculty: Faculty of Science  
Teaching Department: Biology  
Status (catalog level): Active  

BIOL 355  
Credit Weight: 3  
Transcript Title: Trees: Ecology & Evolution  
Calendar Title: Trees: Ecology and Evolution.  
Description:  
Functional ecology and evolution of trees: patterns in the diversity of tree form  
and function, the nature of tree adaptation to environment from the scale of  
habitat to global biogeography.  
Symbols: ALTY - Taught in alternate years  
Notes:  
Fall  
3 hours lecture  
Prerequisites: BIOL 205 and BIOL 215 or permission of instructor.  
Restriction: Not open to students who have taken or are taking BIOL 555.  
Administering Faculty: Faculty of Science  
Teaching Department: Biology  
Status (catalog level): Active  

BIOL 363  
Credit Weight: 3  
Transcript Title: Mammalian Evolution
Calendar Title: Mammalian Evolution.
Description:
The origin, diversity and evolutionary history of mammals, systematic review of fossil and living orders of mammals, aspects of mammalian paleoecology, functional morphology and adaptation.
Notes:
Fall
Prerequisite(s): BIOL 215, or ENVR 202, or permission of the instructor
Restriction: Not open to students who have taken BIOL 463.
2 hours lecture; 3 hours laboratory
The course will use the extensive collections and exhibits of the Redpath Museum as a resource for weekly laboratories.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 370
Credit Weight: 3
Transcript Title: Human Genetics Applied
Calendar Title: Human Genetics Applied.
Description:
A contemporary view of genetic research as applied to human health and well-being.
Notes:
Fall
3 hours lecture; 1 hour conference optional
Prerequisites: BIOL 202 or BIOL 302, BIOL 219 or BIOL 200 plus either BIOL 201 or ANAT 212/BIOC212.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 373
Credit Weight: 3
Transcript Title: Biometry
Calendar Title: Biometry.
Description:
Elementary statistical methods in biology. Introduction to the analysis of biological data with emphasis on the assumptions behind statistical tests and models. Use of statistical techniques typically available on computer packages.
Notes:
Fall
2 hours lecture and 2 hours laboratory
Prerequisite: MATH 112 or equivalent
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 377
Credit Weight: 3
Transcript Title: Independent Reading Project
Calendar Title: Independent Reading Project.
Description:
Independent reading project.
Notes:
Fall, Winter or Summer
Prerequisites: BIOL 200 and one of BIOL 201, ANAT/BIOC 212; or BIOL 215; or permission of instructor.
Restriction: Open to U2 or U3 Biology students only
Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 385
Credit Weight: 3
Transcript Title: Plant Growth and Development
Calendar Title: Plant Growth and Development.
Description:
Physiological, biochemical and molecular processes involved in growth and development of the plant body; formation of new tissues and organs; photomorphogenesis, fruit growth and ripening; programmed cell death and senescence; growth and development in extreme environments.
Notes:
Fall
3 hours lecture
Prerequisite: BIOL 205.
Restriction: Not open to students who have taken BIOL 485.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 389
Credit Weight: 3
Transcript Title: Laboratory in Neurobiology
Calendar Title: Laboratory in Neurobiology.
Description:
Methods of neurobiological research, including extracellular and intracellular recordings, electrical stimulation, and the study of neuro-behavioural problems.
Notes:
Winter
1 hour lecture; 5 hours laboratory
Prerequisites: BIOL 306 or NSCI 200 or PHGY 311 or NEUR 310 or permission
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 395
Credit Weight: 1
Transcript Title: Quantitative Biology Seminar
Calendar Title: Quantitative Biology Seminar.
Description:
Overview of concepts and current research in quantitative biology; theoretical ecology and evolution, computational biology, and physical biology.
Notes:
Fall
Prerequisites: BIOL 219; or BIOL 200 plus BIOL 201 or ANAT 212 or BIOC 212; CHEM
212; COMP 202 or COMP 204 or COMP 250; MATH 222; or permission of instructor.
Restriction: Only open to U2 students in the following programs: B.Sc.; Major and Honours in Biology; Quantitative Biology, B.Sc.; Major and Honours Computer Science and Biology, B.Sc.; Major Biology and Mathematics, B.Sc.; Major Physiology and Mathematics, B.Sc.; Major Physiology and Physics, B.Sc.; Major and Honours Chemistry; Biophysical Chemistry, and B.Sc.; Major and Honours Physics; Biological Physics.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description: Independent research project with a final written report.
Notes: Fall, Winter or Summer
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures. A completed application form should be brought to Nancy Nelson in Room N7/9B, Stewart Biology Building.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 413
Credit Weight: 1
Transcript Title: Directed Reading
Calendar Title: Directed Reading.
Description: Directed reading.
Notes: Fall, Winter or Summer
Prerequisites: BIOL 200, BIOL 201, BIOL 202, BIOL 205, BIOL 215.
Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 414
Credit Weight: 3
Transcript Title: Invert Brain Circuits & Behav
Calendar Title: Invertebrate Brain Circuits and Behaviours.
Description:
Exploration of the neural and molecular mechanisms that drive animal behaviour, with a focus on invertebrates, including the principles of neural circuits and behaviour.
Notes:
Prerequisites: BIOL 306 or permission of instructor, COMP 202 or equivalent (any coding experience or permission of the instructor).
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 416
Credit Weight: 3
Transcript Title: Genetics of Mammalian Development.
Calendar Title: Genetics of Mammalian Development.
Description:
This course aims to examine problems, theories, and experimental evidence on several concepts of mammalian developmental processes at molecular to organogenesis levels. Most topics are in the mouse model system, where various techniques for genetic manipulation are available.
Notes:
Winter
3 hours lecture
Prerequisites: BIOL 202 or BIOL 302; BIOL 300; BIOL 303; or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 418
Credit Weight: 3
Transcript Title: Freshwater Invertebrate Ecology.
Calendar Title: Freshwater Invertebrate Ecology.
Description:
The life history and ecology of freshwater invertebrates in lakes, rivers and wetlands; habitat requirements, functional ecology and food web interactions; the role of invertebrates in the functioning of aquatic ecosystems; threats to freshwater diversity.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
2 hours lecture and 3 hours lab
Prerequisites: BIOL 215 (or ENVR 200 and ENVR 202) and BIOL 205 or permission of the instructor
enrolment limited to 25 students
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 427
Credit Weight: 3
Transcript Title: Herpetology.
Calendar Title: Herpetology.
Description:
Principles of biology as exemplified by amphibians and reptiles. Topics include:
adaptation, social behaviour, reproductive strategies, physiology, biomechanics, ecology, biogeography and evolution. Laboratories will emphasize structure, systematics and identification of local and world herpetofauna as well as field methods.

Symbols: ALTY - Taught in alternate years

Notes:

Fall
2 hours lecture; 3 hours laboratory
Prerequisite: BIOL 205 and BIOL 305 or permission of instructor.
Restriction: Not open to students who have taken BIOL 327.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 428
Credit Weight: 3
Transcript Title: Biological Diversity in Africa
Calendar Title: Biological Diversity in Africa.
Description:
Biological diversity as exemplified by a particular taxonomic group chosen by the instructor, using field setting in East Africa to impart training in species identification, field research, and principles embodied in the phylogeny, systematics, biogeography, ecology, physiology and/or behaviour of the organisms concerned.
Notes:
Winter
Student must be enrolled in the Africa Field Study Seminar
Prerequisite: BIOL 305 or equivalent or permission of instructor.
Corequisite(s): NRSC/BIOL 451 and ANTH/GEOG 451

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 429
Credit Weight: 3
Transcript Title: East African Ecology
Calendar Title: East African Ecology.
Description:
Field settings (Uganda, Kenya, and/or Tanzania) are used to impart training in ecological principles critical to tropical conservation with an emphasis on research design and field research exercises.
Notes:
Winter
The course is to be taught in Africa as a component of the Africa Field Study Semester. Students must register for the Africa Field Study Semester.
Prerequisite: BIOL 215 or equivalent.
Corequisite: NRSC/BIOL 451 and ANTH/GEOG 451
Restriction(s): Not open to students who have taken BIOL 329.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 432
Credit Weight: 3
Transcript Title: Limnology
Calendar Title: Limnology.
Description:
A study of the physical, chemical and biological properties of lakes and other inland waters, with emphasis on their functioning as systems.

Notes:
Fall
3 hours lecture
Prerequisites: BIOL 206 and BIOL 215 or permission of instructor.
Restrictions: Not open to students who have taken or are taking ENVB 315.
This course, involving two field weekends, has an additional fee of $353.32, which includes room and board and transportation. The fee is refundable during the period where a student can drop the course with full refund. The Department of Biology subsidizes a portion of the cost for this activity.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 434
Credit Weight: 3
Transcript Title: Theoretical Ecology
Calendar Title: Theoretical Ecology.
Description:
Study of theoretical ecology and of mathematical tools available to explore the dynamical behaviour of model populations, communities and ecosystems. Models addressing major ecological theories including population stability, community dynamics and ecosystem functioning, epidemic and disturbance dynamics, spatial models, game theory.
Notes:
Winter
3 hours lecture
Prerequisites: BIOL 308 or BIOL 309 or permission of instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 435
Credit Weight: 3
Transcript Title: Natural Selection
Calendar Title: Natural Selection.
Description:
Explains how the selection of undirected variation accounts for some of the leading features of the natural world. Its main focus is evolutionary change and adaptation, but it will also include material from ecological, economic, biochemical and computer systems. It emphasizes experimental studies of evolution.
Notes:
Fall
3 hours lecture
Prerequisite: BIOL 304 or permission of instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 436
Credit Weight: 3
Transcript Title: Evolution and Society
Calendar Title: Evolution and Society.
Description:
Explores the impact that biological evolution and evolutionary thinking have on
society. Topics include intelligence, language, race, gender, medicine, genetically modified organisms, politics, and creationism.

Notes:
Fall
Prerequisite: BIOL 304 or permission of the instructor
Course instructors will introduce each topic and lead discussion, while an invited lecturer will focus on a particular aspect of that topic.
Enrolment limited to 25 students.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 441
Credit Weight: 3
Transcript Title: Biological Oceanography
Calendar Title: Biological Oceanography.
Description:
An introduction to how the ocean functions biologically: biology and ecology of marine plankton; regulation, extent and fate of production in the sea.

Notes:
Winter
2 hours lecture, 3 hours laboratory/conference
Prerequisites: BIOL 206; and BIOL 215 or both ENVR 200 and ENVR 202.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 451
Credit Weight: 3
Transcript Title: Res in Ecol&Develop in Africa
Calendar Title: Research in Ecology and Development in Africa.
Description:
Development of observation and independent inquiry skills through: 1) participation in short-term project modules in collaboration with existing researchers; 2) participation in interdisciplinary team research on topics selected to allow comparative analysis of field sites; 3) active and systematic observation, documentation, and integration of field experience in ecology and development issues.

Notes:
Winter
Open only to U2 or later students in the AFSS.
Corequisite(s): ANTH 451 or GEOG 451
Restriction(s): Not open to students who have taken or are taking NRSC 451.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 465
Credit Weight: 3
Transcript Title: Conservation Biology
Calendar Title: Conservation Biology.
Description:
Discussion of relevant theoretical and applied issues in conservation biology.
Topics: biodiversity, population viability analysis, community dynamics, biology of rarity, extinction, habitat fragmentation, social issues.

Notes:
Fall
3 hours lecture
Prerequisite: BIOL 215 OR both ENVR 200 and ENVR 202

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

### BIOL 466

**Credit Weight:** 3

**Transcript Title:** Independent Research Project 1

**Calendar Title:** Independent Research Project 1.

**Description:**
Independent research project.

**Notes:**
Fall, Winter or Summer

Prerequisite: BIOL 206 or BIOL 301 or other suitable laboratory course.

Restrictions: Open only to Biology students. Not open to students who have taken BIOL 477.

Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

### BIOL 467

**Credit Weight:** 3

**Transcript Title:** Independent Research Project 2

**Calendar Title:** Independent Research Project 2.

**Description:**
Independent research project.

**Notes:**
Fall, Winter or Summer

Prerequisite: BIOL 206 or BIOL 301 or other suitable laboratory course.

Restrictions: Open only to Biology students. Not open to students who have taken BIOL 478.

Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

### BIOL 468

**Credit Weight:** 6

**Transcript Title:** Independent Research Project 3

**Calendar Title:** Independent Research Project 3.

**Description:**
Independent research project.

**Notes:**
Fall, Winter or Summer

Prerequisite: BIOL 206 or BIOL 301 or other suitable laboratory course

Restrictions: Open only to Biology students. Not open to students who have taken BIOL 471 or BIOL 471D1/D2.

Note: Before registration, projects must be arranged individually with a PI in
the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

### BIOL 468D1

**Credit Weight:** 3

**Transcript Title:** Independent Research Project 3

**Calendar Title:** Independent Research Project 3.

**Description:**

Independent research project.

**Notes:**

- Fall and Winter
- Prerequisite: BIOL 206 or BIOL 301 or other suitable laboratory course.
- Restrictions: Open only to Biology students. Not open to students who have taken BIOL 471 or BIOL 471D1/D2.
- Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building. Students must register for both BIOL 468D1 and BIOL 468D2. No credit will be given for this course unless both BIOL 468D1 and BIOL 468D2 are successfully completed in consecutive terms.

### BIOL 468D2

**Credit Weight:** 3

**Transcript Title:** Independent Research Project 3

**Calendar Title:** Independent Research Project 3.

**Description:**

See BIOL 468D1 for course description.

**Notes:**

- Prerequisite: BIOL 468D1.
- Students must register for both BIOL 468D1 and BIOL 468D2.
- No credit will be given for this course unless both BIOL 468D1 and BIOL 468D2 are successfully completed in consecutive terms.

### BIOL 468N1

**Credit Weight:** 3

**Transcript Title:** Independent Research Project 3

**Calendar Title:** Independent Research Project 3.

**Description:**

Independent research project.

**Notes:**

- Fall, Winter or Summer
- Prerequisite: BIOL 206 or BIOL 301 or other suitable laboratory course
- Restrictions: Open only to Biology students. Not open to students who have taken BIOL 471 or BIOL 471D1/D2.
- Projects must be arranged individually with a staff member of the Biology Department and a form from Nancy Nelson, Room W4/13, Stewart Building, must be
Students must register for both BIOL 468N1 and BIOL 468N2. No credit will be given for this course unless both BIOL 468N1 and BIOL 468N2 are successfully completed within a twelve month period.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Inactive

BIOL 468N2
Credit Weight: 3
Transcript Title: Independent Research Project 3
Calendar Title: Independent Research Project 3.
Description: See BIOL 468N1 for course description.
Notes: Fall, Winter or Summer
Prerequisite: BIOL 468N1
Restriction: Open only to Biology students. Not open to students who have taken BIOL 471 or BIOL 471D1/D2.
Projects must be arranged individually with a staff member of the Biology Department and a form from Nancy Nelson, Room W4/13, Stewart Building, must be completed to receive credit for the course.
No credit will be given for this course unless both BIOL 468N1 and BIOL 468N2 are successfully completed within a twelve month period.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Inactive

BIOL 469
Credit Weight: 9
Transcript Title: Independent Research Project 4
Calendar Title: Independent Research Project 4.
Description: Independent research project.
Symbols:
Notes: Prerequisites: BIOL 206 or BIOL 301 or other suitable 300-level biology course.
Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 469D1
Credit Weight: 4.5
Transcript Title: Independent Research Project 4
Calendar Title: Independent Research Project 4.
Description: Independent research project.
Notes: Fall and Winter
Prerequisites: BIOL 206 or BIOL 301 or other suitable 300-level biology course.
Note: Before registration, projects must be arranged individually with a PI in the Biology Department. Prior to registration, students fill out the application form at http://biology.mcgill.ca/undergrad/res_opps.html and email or bring it
to nancy.nelson@mcgill.ca, or Nancy Nelson, Room N7/9B, Stewart Biology Building.

Students must register for both BIOL 469D1 and BIOL 469D2.

No credit will be given for this course unless both BIOL 469D1 and BIOL 469D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biology  
**Status (catalog level):** Active

**BIOL 469D2**  
**Credit Weight:** 4.5  
**Transcript Title:** Independent Research Project 4  
**Calendar Title:** Independent Research Project 4.  
**Description:**  
See BIOL 469D1 for course description.  
**Notes:**  
Prerequisite: BIOL 469D1.  
Students must register for both BIOL 469D1 and BIOL 469D2.  
No credit will be given for this course unless both BIOL 469D1 and BIOL 469D2 are successfully completed in consecutive terms.

**BIOL 479D1**  
**Credit Weight:** 4.5  
**Transcript Title:** Honours Research Project 1  
**Calendar Title:** Honours Research Project 1.  
**Description:**  
Introduces students to original research, and to its design, execution and reporting.  
**Notes:**  
Fall, Winter  
8-12 hours per week research project and related seminars  
Restriction: Biology Honours students. Projects must be arranged individually with, and accepted by a staff member of the Biology Department  
Students must register for both BIOL 479D1 and BIOL 479D2.  
No credit will be given for this course unless both BIOL 479D1 and BIOL 479D2 are successfully completed in consecutive terms  

**BIOL 479D2**  
**Credit Weight:** 4.5  
**Transcript Title:** Honours Research Project 1  
**Calendar Title:** Honours Research Project 1.  
**Description:**  
See BIOL 479D1 for course description.  
**Notes:**  
Winter  
Prerequisite: BIOL 479D1  
No credit will be given for this course unless both BIOL 479D1 and BIOL 479D2 are successfully completed in consecutive terms  

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biology  
**Status (catalog level):** Active
BIOL 480D1
Credit Weight: 6
Transcript Title: Honours Research Project 2
Calendar Title: Honours Research Project 2.
Description:
Introduces students to original research, and to its design, execution and reporting.
Notes:
Fall and Winter
10-15 hours per week research project and related seminars
Restriction and course description: as for BIOL 479
Students must register for both BIOL 480D1 and BIOL 480D2.
No credit will be given for this course unless both BIOL 480D1 and BIOL 480D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 480D2
Credit Weight: 6
Transcript Title: Honours Research Project 2
Calendar Title: Honours Research Project 2.
Description:
See BIOL 480D1 for course description.
Notes:
Winter
Prerequisite: BIOL 480D1
No credit will be given for this course unless both BIOL 480D1 and BIOL 480D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 499D1
Credit Weight: 2
Transcript Title: Honours Seminar in Biology
Calendar Title: Honours Seminar in Biology.
Description:
The practical aspects of science and scholarship in biology, including scientific writing, research presentations, bibliographies, methods, and peer review, as relating to Biology Honours research projects and theses. Attendance at research seminars in areas of related research.
Notes:
Fall, Winter
Students must register for both BIOL 499D1 and BIOL 499D2.
No credit will be given for this course unless both BIOL 499D1 and BIOL 499D2 are successfully completed in consecutive terms
In some weeks, conference attendance will be replaced by research seminar attendance.
Restriction: Open to students in the Biology Honours program. Students in the Quantitative Biology or Computer Science and Biology Honours programs may enroll with instructor permission.
In some weeks, conference attendance will be replaced by research seminar attendance.
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 499D2
Credit Weight: 2
Transcript Title: Honours Seminar in Biology
Calendar Title: Honours Seminar in Biology.
Description:
See BIOL 499D1 for course description.
Notes:
Winter
Prerequisite: BIOL 499D1
No credit will be given for this course unless both BIOL 499D1 and BIOL 499D2 are successfully completed in consecutive terms
In some weeks, conference attendance will be replaced by research seminar attendance.
Restriction: Open to students in the Biology Honours program. Students in the Quantitative Biology or Computer Science and Biology Honours programs may enroll with instructor permission.
In some weeks, conference attendance will be replaced by research seminar attendance.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 506
Credit Weight: 3
Transcript Title: Neurobiology of Learning
Calendar Title: Neurobiology of Learning.
Description:
Exploration of the neurobiological basis of learning, from molecules to circuits, focusing on the synaptic, cellular and circuit-level processes that support learning, in the context of different brain regions and forms of learning.
Notes:
Prerequisite(s): BIOL 306 or NEUR 310 or NSCI 200 and NSCI 201 or PHGY 311 or PHGY 314 or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 507
Credit Weight: 3
Transcript Title: Animal Communication
Calendar Title: Animal Communication.
Description:
Introduction to communication between animals, including humans. Physical and phylogenetic constraints on the evolution of communication systems will be discussed. The approach to communication will draw from behavioural ecology, psychology, physiology and physics.
Notes:
Fall
3 hours lecture
Corequisites: BIOL 307 or equivalent and one of BIOL 306 or NEUR 310 or NSCI 200 or NSCI 201 or PHGY 311; or permission of instructor. Since all corequisites may not be offered in the same term, students are advised that they may have to plan their schedules so that they may register in these courses in the term prior to
Biol 507.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

Biol 509
Credit Weight: 3
Transcript Title: Methods in Molecular Ecology
Calendar Title: Methods in Molecular Ecology.
Description:
An overview of the molecular genetic tools used to investigate ecological and evolutionary processes in natural populations. The use of molecular tools in studies of population structure, parentage, kinship, species boundaries, phylogenetics. Special topics include conservation genetics, population genetics, and ecological genomics.

Notes:
Restriction (s): BIOL 301, BIOL 304 and BIOL 308 or permission of instructor.
Intended for both upper level undergraduates with knowledge of ecology, evolution, and genetics.
Intended for graduate students interested in applying molecular tools in ecology, evolution, and environmental sciences.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

Biol 510
Credit Weight: 3
Transcript Title: Advances in Community Ecology
Calendar Title: Advances in Community Ecology.
Description:
The origin, maintenance and roles of biological diversity within ecological communities.

Symbols: ALTY - Taught in alternate years

Notes:
Fall
3 hours lecture/seminar
Prerequisites: BIOL 308 or GEOG 350 or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

Biol 515
Credit Weight: 3
Transcript Title: Advances in Aquatic Ecology
Calendar Title: Advances in Aquatic Ecology.
Description:
Aquatic ecology and the major issues challenging the field.

Notes:
Winter
3 hours seminar
Prerequisite(s): BIOL 432 or BIOL 441 or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

Biol 517
Credit Weight: 3
Transcript Title: Cognitive Ecology
Calendar Title: Cognitive Ecology.
Description:
Cognition refers to the processes of acquiring, retaining, and using information. In the wild, an organism relies on a wide variety of information to interact with its environment and these interactions affect its survival and reproduction. Focus on the ecology and evolution of cognition and its underlying neural mechanisms. Examines links between cognition, behaviour in the wild, and the brain. Builds upon the principles of behavioural ecology and behavioural neuroscience.
Notes:
Prerequisite(s): BIOL 307 or equivalent or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 518
Credit Weight: 3
Transcript Title: Adv. Topics in Cell Biology
Calendar Title: Advanced Topics in Cell Biology.
Description:
Concepts and mechanisms in advanced cell biology, based on genetic, cell biological, biophysical, and computational studies. Emphasis is placed on processes that are evolutionarily conserved, with examples from model organisms and cell-free (in vitro) approaches.
Notes:
Winter
3 hours seminar
Prerequisite: BIOL 313 or permission
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 520
Credit Weight: 3
Transcript Title: Gene Activity in Development
Calendar Title: Gene Activity in Development.
Description:
An analysis of the role and regulation of gene expression in several models of eukaryotic development. The emphasis will be on critical evaluation of recent literature concerned with molecular or genetic approaches to the problems of cellular differentiation and determination. Recent research reports will be discussed in conferences and analyzed in written critiques.
Notes:
Winter
3 hours lecture and discussion
Prerequisites: BIOL 300 and BIOL 303 or permission
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 524
Credit Weight: 3
Transcript Title: Topics in Molecular Biology
Calendar Title: Topics in Molecular Biology.
Description:
Molecular genetics and molecular, cellular and developmental biology, including
signal transduction, cell differentiation and function, genetic diseases in
eukaryotes.

Notes:
Fall
Prerequisites: BIOL 300 and BIOL 303 or permission.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 530
Credit Weight: 3
Transcript Title: Advances in Neuroethology
Calendar Title: Advances in Neuroethology.
Description:
Neural mechanisms underlying behaviour in vertebrate and invertebrate organisms.

Notes:
Winter
3 hours seminar
Prerequisite: BIOL 306 or NSCI 200 or NSCI 201 or PHGY 311 or permission of
instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 532
Credit Weight: 3
Transcript Title: Developmental Neurobiology Sem
Calendar Title: Developmental Neurobiology Seminar.
Description:
Discussions of all aspects of nervous system development including pattern
formation, cell lineage, pathfinding and targeting by growing axons, and neural
regeneration. The basis for these discussions will be recent research papers and
other assigned readings.

Notes:
Winter
1 hour lecture, 2 hours seminar
Prerequisites: BIOL 303 or BIOL 306 or permission of instructor

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 540
Credit Weight: 3
Transcript Title: Ecology of Species Invasions
Calendar Title: Ecology of Species Invasions.
Description:
Causes and consequences of biological invasion, as well as risk assessment methods
and management strategies for dealing with invasive species.

Notes:
Winter
3 hours lecture
Prerequisite(s): BIOL 215 (or ENVR 200 plus ENVR 202), and at least one 300- or
400-level course in ecology, evolution, or conservation biology.
Restriction: Not open to U1 or U2 students
Restriction: Not open to students who are taking or have taken ENVR 540.

Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 544
Credit Weight: 3
Transcript Title: Genetic Basis of Life Span
Calendar Title: Genetic Basis of Life Span.
Description: The course will consider how gene action is determining the duration of life in various organisms focusing on the strengths and limitations of the genetic approach. The course will focus particularly on model organisms such as yeast, Caenorhabditis, Drosophila and mouse, as well as on the characterization of long-lived people.
Symbols: ALTY - Taught in alternate years
Notes: Fall
Prerequisites: BIOL 202 or BIOL 302; BIOL 300; or permission of instructor
Three hours seminar
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 546
Credit Weight: 3
Transcript Title: Genetics of Model Systems
Calendar Title: Genetics of Model Systems.
Description: Topics in the genetics and molecular genetics of unicellular, plant, invertebrate and vertebrate models systems.
Notes: Prerequisites: BIOL 202 or BIOL 302; BIOL 300; BIOL 303 recommended
Fall course given every second year, alternating with BIOL 544; enrollment limited to 15 students
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 551
Credit Weight: 3
Transcript Title: Principles of Cellular Control
Calendar Title: Principles of Cellular Control.
Description: Fundamental principles of cellular control, with cell cycle control as a major theme. Biological and physical concepts are brought to bear on control in healthy cells.
Notes: Winter
3 hours lecture
Revised Prerequisite: CHEM 115 or 120, MATH 133 and 141, PHYS 142; or equivalents. BIOL 201 or ANAT/BIOC 212. Recommended: COMP 202, PHYS 230 and BIOL/PHYS 319.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 553
Credit Weight: 3
Transcript Title: Neotropical Environments
Calendar Title: Neotropical Environments.
Description:
Notes:
Winter
24 hours lecture and 36 hours field work over a 4-week period
Prerequisites: HISP 218, MATH 203, and BIOL 215
Corequisites: ENVR 451; GEOG 404 and HIST 510 alternating with GEOG 498 and AGRI 550
Restriction: location in Panama. Students must register for a full semester of studies in Panama
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 555D1
Credit Weight: 1.5
Transcript Title: Functional Ecology of Trees
Calendar Title: Functional Ecology of Trees.
Description:
Discussion of the interactions among traits that underpin the survival of woody plants in diverse environments: physiology, anatomy, architecture, seasonality and phenology, reproductive ecology, life history trade-offs, and the phylogenetic basis of functional diversification.
Symbols: ALTY - Taught in alternate years
Notes:
Fall and Winter
Prerequisites: BIOL 304, BIOL 308 or permission.
Students must register for both BIOL 555D1 and BIOL 555D2.
No credit will be given for this course unless both BIOL 555D1 and BIOL 555D2 are successfully completed in consecutive terms.
BIOL 555D1 and BIOL 555D2 together are equivalent to BIOL 555.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 555D2
Credit Weight: 1.5
Transcript Title: Functional Ecology of Trees
Calendar Title: Functional Ecology of Trees.
Description:
See BIOL 555D1 for course description.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite: BIOL 555D1.
No credit will be given for this course unless both BIOL 555D1 and BIOL 555D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 565
Credit Weight: 3
Transcript Title: Cell and Tissue Mechanobiology
Calendar Title: Cell and Tissue Mechanobiology.
Description: The emerging field of mechanobiology and mechanotransduction, and their relevance in the context of multicellular physiology in health and disease. The molecular and cellular foundations of mechanobiology are covered. Current literature on the topic will be discussed and presented by students. Identification of gaps in current knowledge and proposing research to address them.
Notes: Prerequisite: One 300-level cell biology course or equivalent, and/or instructor's permission
Restrictions: Restricted to senior undergraduate in the BSc degree and graduate students who fulfill the prerequisites or to students approved by the instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 568
Credit Weight: 3
Transcript Title: Topics on the Human Genome
Calendar Title: Topics on the Human Genome.
Description: Cellular and molecular approaches to characterization of the human genome.
Notes: Winter
3 hours lecture
Prerequisites BIOL 202 or BIOL 302; BIOL 300; BIOL 370; or permission.
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 569
Credit Weight: 3
Transcript Title: Developmental Evolution
Calendar Title: Developmental Evolution.
Description: The influence of developmental mechanisms on evolution. This course draws on recent examples from plants and invertebrate and vertebrate animals. Topics include homology, modularity, dissociation, co-option, evolutionary novelty, evolution of cis-regulation and gene regulatory networks, developmental constraint and evolvability, heterochrony, phenotypic plasticity, and canalization.
Symbols: ALTY - Taught in alternate years
Notes: Winter
3 hours lecture
Prerequisites: BIOL 303 and BIOL 304; or permission of instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 573
Credit Weight: 3
Transcript Title: Vertebrate Palaeo Field Course
Calendar Title: Vertebrate Palaeontology Field Course.
Description:
Terrestrial vertebrate fossils (i.e. dinosaurs, crocodiles and other reptiles) and palaeocommunity analysis, including practical training with fossil identification, mapping, collecting, and stratigraphic interpretation.

Notes:
Summer
Prerequisites: BIOL 304 and BIOL 352 or permission of instructor.
Notes: Spring field course with completed project and presentation by the end of the Summer. Given in a selected Late Cretaceous Alberta and/or Saskatchewan site. Enrolment limited to 15 students.
This course, given at selected localities in Alberta and/or Saskatchewan in May, has an additional fee of $1,500.00 which includes room and board, museum entrance fees, and transportation during the course, but not tuition or transportation to western Canada.
This course is offered in the summer.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 575
Credit Weight: 3
Transcript Title: Human Biochemical Genetics
Calendar Title: Human Biochemical Genetics.
Description: Topics on the study of human systems that have led to advances in basic biology.
Notes: Winter
3 hours lecture
Prerequisites: BIOL 202 or BIOL 302, and BIOL300; or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 580
Credit Weight: 3
Transcript Title: Genet Approaches to Neur Syst
Calendar Title: Genetic Approaches to Neural Systems.
Description: This course will focus on recent research employing genetic-based methods to examine the functional and structural properties of the nervous system. The focus will be on approaches for studying neural circuits and behavior in a range of model organisms. Topics will include recent technological advances, such as optogenetics for modifying and controlling neuronal activity, and animal models of neurological diseases. Students will critically analyze the application of these methods to current research through in-class discussion of primary literature, student presentations, and written assignments.

Notes:
Prerequisite(s): BIOL 306 or permission of the instructors.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 583
Credit Weight: 3
Transcript Title: Advanced Biometry
Calendar Title: Advanced Biometry.
Description:
Advanced techniques in biometry surveying a broad number of statistical tools including: philosophy of scientific inference, experimental design and advanced linear models, generalized linear models (esp. logistic regression), modern regression techniques (quantile, local, etc), temporal and spatial statistics, and multivariate techniques.

**Symbols:** ALTY - Taught in alternate years

**Notes:**

Winter

Prerequisite: BIOL 373 or permission of instructor.

Note: You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Inactive

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**BIOL 585**

**Credit Weight:** 3

**Transcript Title:** Game Theory & Evolutionary Dyn

**Calendar Title:** Game Theory and Evolutionary Dynamics.

**Description:**

Mathematical models of game theory and evolutionary dynamics; classical models and current research.

**Symbols:** ALTY - Taught in alternate years

**Notes:**

Winter

2 hours lecture; 1 hour laboratory

Prerequisites: BIOL 308 and BIOL 434 or permission of instructor.

Note: Course given in alternating years.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

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**BIOL 588**

**Credit Weight:** 3

**Transcript Title:** Advances in Mol/Cell Neurobiol

**Calendar Title:** Advances in Molecular/Cellular Neurobiology.

**Description:**

Discussion of fundamental molecular mechanisms underlying the general features of cellular neurobiology. An advanced course based on lectures and on a critical review of primary research papers.

**Symbols:** ALTY - Taught in alternate years

**Notes:**

Fall

1.5 hours lecture, 1.5 hours seminar

Prerequisite: BIOL 300 and BIOL 306 or permission

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

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**BIOL 590**

**Credit Weight:** 3

**Transcript Title:** Linking Commun&Ecosyst Ecology

**Calendar Title:** Linking Community and Ecosystem Ecology.

**Description:**

Theoretical foundations for a new ecological synthesis that merges the
perspectives of population, community, evolutionary and ecosystem ecology. Focus on theory in interaction with experimental and empirical work, and covers current topics at the interface between community and ecosystem ecology.

**Symbols:** ALTY - Taught in alternate years

**Notes:**
Winter
1.5 hours lecture, 1.5 hours seminar
Prerequisite: BIOL 434 or permission of instructor.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**BIOL 592**

**Credit Weight:** 3

**Transcript Title:** Integrated Bioinformatics

**Calendar Title:** Integrated Bioinformatics.

**Description:**
'Post-genomic' bioinformatics. Concepts behind large-scale computational analysis and comparison of genomes/proteomes (and beyond), and the implications for our understanding of the basic processes of molecular and cell biology and the evolution of those processes.

**Notes:**
Fall
3 hours lecture
Prerequisite: BIOL 301 or permission of instructor.
Restriction: Not open to students who have taken or are taking BINF 511.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**BIOL 594**

**Credit Weight:** 3

**Transcript Title:** Advanced Evolutionary Ecology

**Calendar Title:** Advanced Evolutionary Ecology.

**Description:**
Evolutionary ecology is the study of evolutionary change in natural populations. General predictive approaches in evolutionary ecology, including population genetics, quantitative genetics, optimality, and game theory will be examined. Emphasis will be placed on the mathematical underpinnings of each approach, particularly as they relate to classic and contemporary problems.

**Symbols:** ALTY - Taught in alternate years

**Notes:**
Fall
Prerequisite: BIOL 304 and BIOL 308
Restriction: U3 or permission.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

**BIOL 596**

**Credit Weight:** 1

**Transcript Title:** Advanced Experimental Design

**Calendar Title:** Advanced Experimental Design.

**Description:**
This course focuses on experimental design as it relates to statistical analyses to prepare individuals for data collection. Instructors will provide information on basic statistical principles and require students to prepare presentations.
about their experiments, write summaries of their research, and discuss and critique journal articles.

Notes:
Prerequisite: BIOL 373 or equivalent and permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 597
Credit Weight: 2
Transcript Title: Advanced Biostatistics
Calendar Title: Advanced Biostatistics.
Description:
This course will concentrate on the practical application of data analytical approaches with particular experimental questions in mind. Techniques presented will include statistical methods such as linear models, multivariate statistics, data reduction, information theory.

Notes:
Prerequisites: BIOL 373 or equivalent, and permission of instructor; BIOL 596 recommended

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 598
Credit Weight: 3
Transcript Title: Advanced Design and Statistics
Calendar Title: Advanced Design and Statistics.
Description:
This course will address issues related to experimental design and multivariate statistical analysis. The first third of the course will focus on experimental design, and the remainder of the course will focus on multivariate approaches to data analysis. The course is designed to inform students on best practices to analytically address their experimental questions.

Notes:
Prerequisite(s): BIOL 373 and permission of Instructor.
Restriction(s): Not open to students who have taken or are taking BIOL 596 and/or BIOL 597.
This course is equivalent to taking BIOL 596 and BIOL 597.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

BIOL 601
Credit Weight: 1.5
Transcript Title: Intro to Grad Studies: Biology
Calendar Title: Introduction to Graduate Studies in Biology.
Description:
Foundational, cross-disciplinary skills in research and communication, including graduate student orientation, research integrity and ethics, equity, diversity and inclusion, science communication for a general audience, seminar critiques, elevator pitches, science writing for a general audience, finding/reading the literature, and peer review.

Notes:
Prerequisite: Permission of the instructor

Administering Faculty: Graduate Studies
Teaching Department: Biology
**Status (catalog level):** Active

**BIOL 602**

**Credit Weight:** 1.5  
**Transcript Title:** Molecular Biol Res & Prof Skills  
**Calendar Title:** Molecular Biology Research and Professional Skills.  
**Description:**  
Core skills in reading, writing, critical thinking and experimental design/interpretation and career opportunities, pertaining to the Molecular Biology research stream. Preparation for the first supervisory committee meeting, including paper/pre-print reviews, research presentations, and research proposals, related to students’ thesis research projects.  
**Notes:**  
Prerequisite: Permission of instructor  
Restriction: Not open to students who have taken or are taking BIOL 603.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Biology  
**Status (catalog level):** Active

**BIOL 603**

**Credit Weight:** 1.5  
**Transcript Title:** Orgnsml Biol Res & Prof Skills  
**Calendar Title:** Organismal Biology Research and Professional Skills.  
**Description:**  
Core skills in proposal writing, peer review, oral presentation, and practical workflows for reproducibility in science, pertaining to the Organismal Biology research stream, and including stream-specific topics such as field safety and career options. Topics include: paper/pre-print discussion and written review, research presentations, research proposals, rubric-guided peer review, and experimental design in field research disciplines.  
**Notes:**  
Prerequisite: Permission of instructor.  
Restriction: Not open to students who have taken or are taking BIOL 602.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Biology  
**Status (catalog level):** Active

**BIOL 610**

**Credit Weight:** 3  
**Transcript Title:** Scientific Manuscript Writing  
**Calendar Title:** Scientific Manuscript Writing.  
**Description:**  
Guide to the process of writing a scientific manuscript, including how to effectively communicate research findings to maximize their impact. Provides an atmosphere and structure to facilitate writing. Expectation that students bring analyzed data to the course with the goal of completing a manuscript. All aspects of manuscript writing are covered, including: narrative, writing style, effective figures, editing, and peer-review.  
**Notes:**  
Prerequisite: Permission of the instructor  
While this course is open to undergraduates, students must enter with a complete and analyzed data set (i.e., should have rough Figures), and a letter from their supervisor confirming that this data set exists and is appropriate for a first-author paper by the student. Students must email this information to the instructor, and enrol on Minerva once they receive confirmation of their admission. Enrolment is limited, priority given to Biology graduate students.
Language of instruction is English. Course evaluation includes regular assignments and peer-to-peer feedback.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 632
Credit Weight: 3
Transcript Title: Advanced Limnology
Calendar Title: Advanced Limnology.
Description:
A study of the physical, chemical and biological properties of inland waters, with emphasis on their functioning as systems.
Notes:
Fall
3 hours lecture
Prerequisites: BIOL 206 and/or permission
This course, involving two field weekends, has an additional fee of $353.32, which includes room and board and transportation. The fee is refundable during the period where a student can drop the course with full refund. The Department of Biology subsidizes a portion of the cost for this activity.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 640
Credit Weight: 3
Transcript Title: Tropical Biol and Conservation
Calendar Title: Tropical Biology and Conservation.
Description:
Long-term research at the Smithsonian Tropical Research Institute will be organized and synthesized to examine historical assembly and ecological maintenance of tropical communities. This synthesis will draw on phylogenetic concepts for historical insight and will examine the probable resilience of these communities to global change, pollution and biodiversity loss.
Symbols: ALTY - Taught in alternate years
Notes:
Restriction: students enrolled in Neotropical Environment Option (NEO) or permission of the instructor
Fees: Graduate students requesting registration in the Neotropical Environment Option pay a fee of $919.56. This fee is used to support the costs associated with transportation and housing while in Panama.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 645
Credit Weight: 3
Transcript Title: Biodiversity Science
Calendar Title: Biodiversity Science.
Description:
Concepts, methods and questions related to the different aspects of biodiversity science, including discovering biodiversity; biodiversity change and ecosystem services; management and adaptation to biodiversity changes.
Notes:
Prerequisite: Permission of instructor
Restriction: Open to graduate students working in biodiversity science
Student commitment: Students should not expect to do anything other than the course during those two weeks. Language: The course will accommodate both French and English speaking participants, but students should have a good understanding of English. Lectures will be given in English. Lecture slides will be in French whenever possible. Seminars will be in English only. Students can submit their work in French or English.

The course will be offered every third year. It will be offered in other Quebec Universities in other years.

The course includes a fee of $1297.30 for food and accommodation in Mont Saint Hilaire. The fee is refundable until two weeks prior to the commencement of the course, with department approval.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 650
Credit Weight: 3
Transcript Title: Recent Advances in Biology 1
Calendar Title: Recent Advances in Biology 1.
Description: Directed reading, seminar and discussion courses in subjects of current interest in biological research. Intended for students working individually or in classes on selected areas under the supervision of one or more staff members. Content and form are flexible to allow the Department to meet specific student demands or needs. Such courses are arranged by consultation with individual staff.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 651
Credit Weight: 3
Transcript Title: Recent Advances in Biology 2
Calendar Title: Recent Advances in Biology 2.
Description: Directed reading, seminar and discussion courses in subjects of current interest in biological research. Intended for students working individually or in classes on selected areas under the supervision of one or more staff members. Content and form are flexible to allow the Department to meet specific student demands or needs. Such courses are arranged by consultation with individual staff.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 652
Credit Weight: 3
Transcript Title: Recent Advances in Biology 3
Calendar Title: Recent Advances in Biology 3.
Description: Directed reading, seminar and discussion courses in subjects of current interest in biological research. Intended for students working individually or in classes on selected areas under the supervision of one or more staff members. Content and form are flexible to allow the Department to meet specific student demands or needs. Such courses are arranged by consultation with individual staff.

Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active
BIOL 652D1
Credit Weight: 1.5
Transcript Title: Recent Advances in Biology 3
Calendar Title: Recent Advances in Biology 3.
Description: Directed reading, seminar and discussion courses in subjects of current interest in biological research. Intended for students working individually or in classes on selected areas under the supervision of one or more staff members. Content and form are flexible to allow the Department to meet specific student demands or needs. Such courses are arranged by consultation with individual staff.
Notes: Students must register for both BIOL 652D1 and BIOL 652D2
No credit will be given for this course unless both BIOL 652D1 and BIOL 652D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Inactive

BIOL 652D2
Credit Weight: 1.5
Transcript Title: Recent Advances in Biology 3
Calendar Title: Recent Advances in Biology 3.
Description: See BIOL 652D1 for course description.
Notes: Prerequisite: BIOL 652D1.
No credit will be given for this course unless both BIOL 652D1 and BIOL 652D2 are successfully completed in consecutive terms.
BIOL 652D1 and BIOL 652D2 together are equivalent to BIOL 652.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Inactive

BIOL 655
Credit Weight: 3
Transcript Title: Lab Projects & Techniques 1
Calendar Title: Laboratory Projects and Techniques 1.
Description: Directed training in selected methods used in areas of current interest in biological research. Intended for individuals or classes working in selected areas under the supervision of one or more staff members. Form and content are flexible to allow the Department to meet specific student demands and needs. Each course is arranged by consultation with individual staff.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 690
Credit Weight: 10
Transcript Title: Master's Thesis Research 4
Calendar Title: Master's Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 697
Credit Weight: 13
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 698
Credit Weight: 13
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 699
Credit Weight: 13
Transcript Title: Master's Thesis Research 3
Calendar Title: Master's Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 700
Credit Weight: 0
Transcript Title: Doctoral Qualifying Exam
Calendar Title: Doctoral Qualifying Examination.
Description: The oral Qualifying Examination is a formal evaluation of the candidate's ability to proceed to the attainment of the Ph.D. Candidates must submit a thesis proposal in advance of the exam.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active

BIOL 702
Credit Weight: 6
Transcript Title: Ph.D. Seminar
Calendar Title: Ph.D. Seminar.
Description: Doctoral candidates are required to give a public oral presentation of their major results before submitting a thesis.
Administering Faculty: Graduate Studies
Teaching Department: Biology
Status (catalog level): Active
BIOS 601  
**Credit Weight:** 4  
**Transcript Title:** Epi: Intro & Statistical Models  
**Calendar Title:** Epidemiology: Introduction and Statistical Models.  
**Description:**  
Examples of applications of statistics and probability in epidemiologic research. Source of epidemiologic data (surveys, experimental and non-experimental studies). Elementary data analysis for single and comparative epidemiologic parameters.  
**Notes:**  
Prerequisites: Permission of instructor. Undergraduate course in mathematical statistics at level of MATH 324.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

BIOS 602  
**Credit Weight:** 4  
**Transcript Title:** Epidemiology: Regression Models  
**Calendar Title:** Epidemiology: Regression Models.  
**Description:**  
Multivariable regression models for proportions, rates and their differences/ ratios; Conditional logic regression; Proportional hazards and other parametric/semi-parametric models; unmatched, nested, and self-matched case-control studies; links to Cox's method; Rate ratio estimation when "time-dependent" membership in contrasted categories.  
**Notes:**  
Prerequisites: Permission of instructor. MATH 556 and BIOS 601, or their equivalents.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

BIOS 610  
**Credit Weight:** 4  
**Transcript Title:** Causal Inference in Biostats  
**Calendar Title:** Causal Inference in Biostatistics.  
**Description:**  
Foundations of causal inference in biostatistics. Statistical methods based on potential outcomes; propensity scores, marginal structural models, instrumental variables, structural nested models. Introduction to semiparametric theory.  
**Notes:**  
BIOS 602, MATH 557, or equivalent, or permission of the instructor. This course is intended for PhD and advanced Masters students in Biostatistics or Statistics.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

BIOS 612  
**Credit Weight:** 4  
**Transcript Title:** Adv. Generalized Linear Models  
**Calendar Title:** Advanced Generalized Linear Models.  
**Description:**  
Statistical methods for multinomial outcomes, overdispersion, and continuous and categorical correlated data; approaches to inference (estimating equations, likelihood-based methods, semi-parametric methods); analysis of longitudinal data; theoretical content and applications.
Notes: 
Prerequisites: BIOS 611 or MATH 533; and MATH 523, or equivalents.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 613
Credit Weight: 4
Transcript Title: Intro to Statistical Genetics
Calendar Title: Introduction to Statistical Genetics.
Description: 
Notes: 
Prerequisite: Undergraduate course in mathematical statistics at the level of MATH 324, or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 624
Credit Weight: 4
Transcript Title: Data Analysis & Report Writing
Calendar Title: Data Analysis and Report Writing.
Description: 
Common data-analytic problems. Practical approaches to complex data. Graphical and tabular presentation of results. Writing reports for scientific journals, research collaborators, consulting clients.
Notes: 
Prerequisites: MATH 533 Analysis of Variance and Regression. MATH 523 Generalized Linear Models.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 624D1
Credit Weight: 2
Transcript Title: Data Analysis & Report Writing
Calendar Title: Data Analysis and Report Writing.
Description: 
Common data-analytic problems. Practical approaches to complex data. Graphical and tabular presentation of results. Writing reports for scientific journals, research collaborators, consulting clients.
Notes: 
Prerequisites: MATH 533 Analysis of Variance and Regression. MATH 523 Generalized Linear Models.
Student must be registered for BIOS 624D1 and BIOS 624D2. No credit will be given for this course unless both BIOS 624D1 and BIOS 624D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 624D2
Credit Weight: 2
**Transcript Title:** Data Analysis & Report Writing  
**Calendar Title:** Data Analysis and Report Writing.  
**Description:**  
Description of BIOS 624D1  
**Notes:**  
Prequisite(s): BIOS 624D1  
No credit will be given for this course unless both BIOS 624D1 and BIOS 624D2 are successfully completed in consecutive terms  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**BIOS 630**  
**Credit Weight:** 6  
**Transcript Title:** Res Project/Practic in Biostat  
**Calendar Title:** Research Project/Practicum in Biostatistics.  
**Description:**  
Critical appraisal of the biostatistical literature related to a specific statistical methodology. Topic to be approved by faculty member who will direct student and evaluate the paper.  
**Notes:**  
Restriction: Limited to non-thesis M.Sc. students who have completed requirements.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**BIOS 630D1**  
**Credit Weight:** 3  
**Transcript Title:** Res Project/Practic in Biostat  
**Calendar Title:** Research Project/Practicum in Biostatistics.  
**Description:**  
Critical appraisal of the biostatistical literature related to a specific statistical methodology. Topic to be approved by faculty member who will direct student and evaluate the paper.  
**Notes:**  
Restriction: Limited to non-thesis M.Sc. students who have completed requirements.  
Students must register in both BIOS 630D1 and BIOS 630D2  
No credit will be given for this course unless both BIOS 630D1 and BIOS 630D2 are successfully completed in consecutive terms  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**BIOS 630D2**  
**Credit Weight:** 3  
**Transcript Title:** Res Project/Practic in Biostat  
**Calendar Title:** Research Project/Practicum in Biostatistics.  
**Description:**  
See BIOS 630D1 for course description.  
**Notes:**  
Prerequisite: BIOS 630D1  
No credit will be given for this course unless both BIOS 630D1 and BIOS 630D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 631
Credit Weight: 6
Transcript Title: Biostatistics Internship
Calendar Title: Biostatistics Internship.
Description: The internship will provide the opportunity to integrate classroom learning and practice in an applied statistics environment. The student contributes to an organization's mandate and to addressing a data analysis or statistics research while developing skills as a biostatistics professional and/or researcher.
Notes: This course is aimed at students registered in the M.Sc. in Biostatistics and the M.Sc. in Mathematics & Statistics who are specializing in statistics.
Restriction(s): By permission of the department.

BIOS 637
Credit Weight: 4
Transcript Title: AdvModel:Surv&OtherMultivData
Calendar Title: Advanced Modeling: Survival and Other Multivariable Data.
Description: Advanced applied biostatistics course dealing with flexible modeling of non-linear effects of continuous covariates in multivariable analyses, and survival data, including e.g. time-varying covariates and time-dependent or cumulative effects. Focus on the concepts, limitations and advantages of specific methods, and interpretation of their results. In addition to 3 hours of weekly lectures, shared with epidemiology students, an additional hour/week focuses on statistical inference and complex simulation methods. Students get hands-on experience in designing and implementing simulations for survival analyses, through individual term projects.
Notes: Restriction(s): Graduate students in Biostatistics or Math/Stat programs, or permission of the instructor. Students are expected to have a good understanding of multivariable regression and basic knowledge of survival analysis.

BIOS 690
Credit Weight: 21
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: A review, appraisal of the performance, or application of, selected biostatistical methods, carried out under supervision.

BIOS 691
Credit Weight: 4
Transcript Title: Special Topics in Biostats 1
Calendar Title: Special Topics in Biostatistics 1.
Description: Special topics in biostatistics.
Notes: Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 692
Credit Weight: 4
Transcript Title: Special Topics in Biostats 2
Calendar Title: Special Topics in Biostatistics 2.
Description: Special topics in biostatistics.
Notes: Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 693
Credit Weight: 4
Transcript Title: Special Topics in Biostats 3
Calendar Title: Special Topics in Biostatistics 3.
Description: Special topics in biostatistics.
Notes: Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 694
Credit Weight: 4
Transcript Title: Special Topics in Biostats 4
Calendar Title: Special Topics in Biostatistics 4.
Description: Special topics in biostatistics.
Notes: Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 695
Credit Weight: 1
Transcript Title: Special Topics in Biostats 5
Calendar Title: Special Topics in Biostatistics 5.
Description: Special topics in biostatistics.
Notes: Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 696
Credit Weight: 1
Transcript Title: Special Topics in Biostats 6
Calendar Title: Special Topics in Biostatistics 6.
Description:
Special topics in biostatistics.
Notes:
Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 697
Credit Weight: 2
Transcript Title: Special Topics in Biostats 7
Calendar Title: Special Topics in Biostatistics 7.
Description:
Special topics in biostatistics.
Notes:
Prerequisite: Permission of the instructor.
Due to the intensive nature of this course, the standard add/drop and withdrawal
deadlines do not apply. Add/drop is the second lecture day and withdrawal is the
fourth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 698
Credit Weight: 2
Transcript Title: Special Topics in Biostats 8
Calendar Title: Special Topics in Biostatistics 8.
Description:
Special topics in biostatistics.
Notes:
Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 700
Credit Weight: 0
Transcript Title: PhD Comprehensive Exam Part A
Calendar Title: Ph.D. Comprehensive Examination Part A.
Description:
Assessment of student's ability to assimilate statistical theory.
Notes:
Restriction: Enrolment in the Ph.D. in Biostatistics
Exam is held once yearly
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Inactive

BIOS 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description:
Assessment of student's ability to assimilate and apply statistical theory and methods for biostatistics.
Notes:
Restriction(s): Enrolment in the Ph.D. in Biostatistics
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 702
Credit Weight: 0
Transcript Title: Ph.D. Proposal
Calendar Title: Ph.D. Proposal.
Description:
Essential skills for thesis writing and defence, including essential elements of research proposals, methodological development and application, and presentation.
Notes:
Note: Required for Ph.D. students
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 702D1
Credit Weight: 0
Transcript Title: Ph.D. Proposal
Calendar Title: Ph.D. Proposal.
Description:
Essential skills for thesis writing and defence, including essential elements of research proposals, methodological development and application, and presentation.
Notes:
Note: Required for Ph.D. students
Students must register in both BIOS 702D1 and BIOS 702D2
No credit will be given for this course unless both BIOS 702D1 and BIOS 702D2 are successfully completed in consecutive terms
BIOS 702D1 and BIOS 702D2 together are equivalent to BIOS 702
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

BIOS 702D2
Credit Weight: 0
Transcript Title: Ph.D. Proposal
Calendar Title: Ph.D. Proposal.
Description:
See BIOS 702D1 for course description.
Notes:
Prerequisite: BIOS 702D1
No credit will be given for this course unless both BIOS 702D1 and BIOS 702D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active
BIOT 505
Credit Weight: 3
Transcript Title: Sel Topics in Biotechnology
Calendar Title: Selected Topics in Biotechnology.
Description:
Current methods and recent advances in biological, medical, agricultural and engineering aspects of biotechnology will be described and discussed. An extensive reading list will complement the lecture material.
Notes:
Fall
Restriction: U3 students
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active
BMDE 501
Credit Weight: 3
Transcript Title: Selected Topics: Biomedical Eng
Calendar Title: Selected Topics in Biomedical Engineering.
Description:
An overview of how techniques from engineering and the physical sciences are applied to the study of selected physiological systems and biological signals. Using specific biological examples, systems will be studied using: signal or finite-element analysis, system and identification, modelling and simulation, computer control of experiments and data acquisition.
Notes:
(3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 502
Credit Weight: 3
Transcript Title: BME Modelling & Identification
Calendar Title: BME Modelling and Identification.
Description:
Methodologies in systems or distributed multidimensional processes. System themes include parametric vs. non-parametric system representations; linear/non-linear; noise, transients and time variation; mapping from continuous to discrete models; and relevant identification approaches in continuous and discrete time formulations.
Notes:
(3-0-6)
Prerequisites: Undergraduate basic statistics and: either BMDE 519, or Signals and Systems (e.g., ECSE 303 & ECSE 304) or equivalent
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 503
Credit Weight: 3
Transcript Title: Biomedical Instrumentation
Calendar Title: Biomedical Instrumentation.
Description:
The principles and practice of making biological measurements in the laboratory, including theory of linear systems, data sampling, computer interfaces and electronic circuit design.
Notes:
(3-0-6)
Prerequisite: Experience with differential equations, in particular Laplace Transforms and complex numbers (e.g. MATH 263 or MATH 381 or equivalent) or permission of instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 504
Credit Weight: 3
Transcript Title: Biomaterials & Bioperformance
Calendar Title: Biomaterials and Bioperformance.
Description:
Biological and synthetic biomaterials, medical devices, and the issues related to
their bioperformance. The physicochemical characteristics of biomaterials in relation to their biocompatibility and sterilization.

Notes:
(3-0-6)
Restriction: Graduate and final-year undergraduate students from physical, biological and medical science, and engineering
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 505
Credit Weight: 3
Transcript Title: Cell and Tissue Engineering
Calendar Title: Cell and Tissue Engineering.
Description:
Application of the principles of engineering, physical, and biological sciences to modify and create cells and tissues for therapeutic applications will be discussed, as well as the industrial perspective and related ethical issues.
Notes:
(3-0-6)
1.5 hours lecture/1.5 hours seminar per week
Restriction: Graduate and final year undergraduate students from physical, biological, and medical science, and engineering.
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 506
Credit Weight: 3
Transcript Title: Molecular Biology Techniques
Calendar Title: Molecular Biology Techniques.
Description:
Introduction to major techniques of molecular biology for physical scientists.
Notes:
(1-5-3)
Prerequisites: MATH 222, BIOL 200 or BIOL 201, CHEM 212 or CHEM 213 or PHYS 253
Restrictions: Limited to 18 students. Calculus required, physics or physical chemistry (thermodynamics, statistical mechanics) preferred. Primarily for graduate students or advanced undergraduate students in the physical sciences who are interested in learning molecular biology techniques. Preference given to graduate students in Biomedical Engineering and Physics. Students who have completed BIOC 300 or MIMM 366 are not eligible.
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 507
Credit Weight: 3
Transcript Title: Formulation & Delivery of Biotherapeutics
Calendar Title: Formulation and Delivery of Biotherapeutics.
Description:
Introduction to technologies for formulation and delivery of biotherapeutics. Emphasis is placed on the fundamental principles of formulation, delivery systems, manufacturing, analytical techniques, and biomedical applications. Translational aspects are considered for formulated biotherapeutic products.
Notes:
Prerequisites CHEE 380 (or equivalent), CHEM 212 (or equivalent), and BIOL 201
Teaching Department: Biomedical Engineering

**BMDE 508**

**Credit Weight:** 3  
**Transcript Title:** Intro. to Micro & Nano-Bioeng  
**Calendar Title:** Introduction to Micro and Nano-Bioengineering.  
**Description:** The micro and nanotechnologies that drive and support the miniaturization and parallelization of techniques for life sciences research, including different inventions, designs and engineering approaches that lead to new tools and methods for the life sciences - while transforming them - and help advance our knowledge of life.  
**Notes:**  
(3-0-6)  
Prerequisite: Permission of instructor  
This course is intended for graduate and advanced undergraduate students having a biological/medical background or an engineering, physical sciences background. Engineering students enrolled in the Minor in Biomedical Engineering, or Honours in Electrical Engineering and Honours in Mechanical Engineering, should be particularly interested.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Biomedical Engineering  
**Status (catalog level):** Active

**BMDE 509**

**Credit Weight:** 3  
**Transcript Title:** Quant Anal & Mod of Cell Proc  
**Calendar Title:** Quantitative Analysis and Modelling of Cellular Processes.  
**Notes:**  
(3-0-6)  
Pre- or co-requisites: MATH 222, MATH 223, BMDE 519  
Restriction: Not open to students who have taken PHGY 209 or PHGY 311  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Biomedical Engineering  
**Status (catalog level):** Active

**BMDE 510**

**Credit Weight:** 3  
**Transcript Title:** Topics in Astrobiology  
**Calendar Title:** Topics in Astrobiology.  
**Description:** Introduction to astrobiology, defined as the scientific study of the origin, evolution, distribution and destiny of life in the universe. Includes interdisciplinary lectures in prebiotic chemistry, extremophilic microorganisms, analog sites, habitability, astrodynamics, experimental facilities and instrumentation for space experiments and missions, and recent results from orbital and lander missions.  
**Notes:**
Prerequisites: CHEM 211 or 212, MATH 222, and PHYS 230

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Biomedical Engineering

**Status (catalog level):** Active

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**BMDE 512**

**Credit Weight:** 3

**Transcript Title:** Finite-Element Modelling: BME

**Calendar Title:** Finite-Element Modelling in Biomedical Engineering.

**Description:**
General principles of quantitative modelling; types of models; principles of the finite-element method, primarily as applied to mechanical systems; introduction to the use of finite-element software; model generation from imaging data; modelling various material types, mainly biological; model validation.

**Notes:**
(3-0-6)
Prerequisite: Differential equations (MATH 271 or equivalent) or permission of instructor

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Biomedical Engineering

**Status (catalog level):** Active

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**BMDE 519**

**Credit Weight:** 3

**Transcript Title:** Biomedical Signals & Systems

**Calendar Title:** Biomedical Signals and Systems.

**Description:**
An introduction to the theoretical framework, experimental techniques and analysis procedures available for the quantitative analysis of physiological systems and signals. Lectures plus laboratory work using the Biomedical Engineering computer system. Topics include: amplitude and frequency structure of signals, filtering, sampling, correlation functions, time and frequency-domain descriptions of systems.

**Notes:**
(3-0-6)
Prerequisites: Satisfactory standing in U3 Honours Physiology; or U3 Major in Physics-Physiology; or U3 Major Physiology-Mathematics; or permission of instructor

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Biomedical Engineering

**Status (catalog level):** Active

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**BMDE 520**

**Credit Weight:** 3

**Transcript Title:** Machine Lrng for Biomed Data

**Calendar Title:** Machine Learning for Biomedical Data.

**Description:**
Theoretical and practical course in machine learning applied to the expanding richness of biomedical data, including multidimensional biomedical measurements centring on high-resolution body imaging and whole-genome common variant genetics.

**Notes:**
Prerequisite: MATH 203, MATH 223, MATH 323, and one course in computer programming (or equivalent background with permission of instructor). Additional background in Calculus and Probability is recommended, e.g. MATH 222 and MATH 204, but not required.
Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 521
Credit Weight: 3
Transcript Title: Cmptl Mthds Single-Cell Analyt
Calendar Title: Computational Methods Single-Cell Analytics.
Description: Computational methods (particularly machine learning methods) for various single-cell data analysis, modelling, and visualization tasks that could drive novel biomedical discoveries, focusing on ¿real-world¿ biomedical applications.
Notes:
Prerequisites: MATH 203, MATH 223, MATH 323, one course in computer programming and additional background in Calculus and Probability is required (e.g., MATH 222, MATH 204), or permission of the instructor.
Restrictions: Not open to students who have taken or are taking EXMD 521.

Administering Faculty: Faculty of Engineering
Teaching Department: Medicine
Status (catalog level): Active

BMDE 525D1
Credit Weight: 3
Transcript Title: Des of Assist Tech:Princ& Prax
Calendar Title: Design of Assistive Technologies: Principles and Praxis.
Description: This is an interdisciplinary, project-based course, centred around a design project in which small teams of students work closely with a person with a disability in the Montreal area to design a device, piece of equipment, app, or other solution that reduces their experience of disability.
Notes:
Students must also register for BMDE 525D2
No credit will be given for this course unless both BMDE 525D1 and BMDE 525D2 are successfully completed in consecutive terms
Restriction(s): Not open to students who have taken BMDE 625D1/D2. Not open to students in Physical and Occupational Therapy.

Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 525D2
Credit Weight: 3
Transcript Title: Des of Assist Tech:Princ& Prax
Calendar Title: Design of Assistive Technologies: Principles and Praxis.
Description: See BMDE 525D1 for description.
Notes:
Prerequisite: BMDE 525D1
No credit will be given for this course unless both BMDE 525D1 and BMDE 525D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Engineering
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 558
Credit Weight: 3
Transcript Title: Health Startups & Entrepreneurship
Calendar Title: Healthcare Startups and Entrepreneurship.
Description:
Introduction to healthcare entrepreneurship, including the unique model and challenges of healthcare technology startups. Emphasis is placed on seeking venture capital investment in a healthcare startup business, including medical technologies (MedTech), pharmaceuticals/biotechnology, research tools, healthcare IT, and digital health, particularly as they differ from one another.
Administering Faculty: Faculty of Medicine & Health Sciences
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 600D1
Credit Weight: 1.5
Transcript Title: Seminars in Biomedical Engineering
Calendar Title: Seminars in Biomedical Engineering.
Description:
This course requires students to regularly attend the departmental seminar series and to present a seminar related to their research.
Notes:
Students must register for both BMDE 600D1 and BMDE 600D2. No credit will be given for this course unless both BMDE 600D1 and BMDE 600D2 are successfully completed in consecutive terms.
Students must register for BMDE 600D1 before BMDE 600D2.
Restriction(s): This course is open only to students registered in the second term or later of the M.Eng. in Biomedical Engineering (Thesis) and M.Eng. in Biomedical Engineering; (Thesis) Bioinformatics programs.
Not open to students who have taken BMDE 500D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 600D2
Credit Weight: 1.5
Transcript Title: Seminars in Biomedical Engineering
Calendar Title: Seminars in Biomedical Engineering.
Description:
This course requires students to regularly attend the departmental seminar series and to present a seminar related to their research.
Notes:
Students must register for both BMDE 600D1 and BMDE 600D2. No credit will be given for this course unless both BMDE 600D1 and BMDE 600D2 are successfully completed in consecutive terms.
Students must register for BMDE 600D1 before BMDE 600D2.
Restriction(s): This course is open only to students registered in the second term or later of the M.Eng. in Biomedical Engineering (Thesis) and M.Eng. in Biomedical Engineering; (Thesis) Bioinformatics programs.
Not open to students who have taken BMDE 500D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 610
Credit Weight: 3
Transcript Title: Functional Neuroimaging Fusion
Calendar Title: Functional Neuroimaging Fusion.
Description:

Notes:
Prerequisites: ECSE 305, MATH 223 or equivalent
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 650
Credit Weight: 3
Transcript Title: Advanced Medical Imaging
Calendar Title: Advanced Medical Imaging.
Description:
Review of advanced techniques in medical imaging including: fast magnetic resonance imaging (MRI), functional MRI, MR angiography and quantitative flow measurement, spiral and dynamic x-ray computed tomography, 2D/3D positron emission tomography (PET), basic PET physiology, tracer kinetics, surgical planning and guidance, functional and anatomical brain mapping, 2D and 3D ultrasound imaging, and medical image processing.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 651
Credit Weight: 3
Transcript Title: Orthopaedic Engineering
Calendar Title: Orthopaedic Engineering.
Description:
Science and technology related to implants used for various orthopaedic reconstructive procedures, with emphasis on artificial hip and knee joint prostheses.

Notes:
Restriction: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 652
Credit Weight: 3
Transcript Title: Bioinformatics: Proteomics
Calendar Title: Bioinformatics: Proteomics.
Description:
Overview of high-throughput proteomic technologies commonly employed to study the localization and function of all proteins in an organism, and the bioinformatic approaches to analyze raw data and deposit them in proteome databases.

Notes:
Prerequisite: Enrolment in Bioinformatics option program or permission by coordinators.
Note: The course is inter-disciplinary and is targeted to students with different scientific backgrounds. A substantial portion of marks will be given based on
practical assignments.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Biomedical Engineering  
**Status (catalog level):** Active

**BMDE 653**  
**Credit Weight:** 3  
**Transcript Title:** Patents in Biomedical Eng.  
**Calendar Title:** Patents in Biomedical Engineering  
**Description:**  
This is a practical course on patents with emphasis on biomedical engineering applications. The course offers an overview of intellectual property, patents, and the patenting process. The course also provides insights into the strategies relating to commercialization and exploiting of patents, as well as enforcing patents. This course is designed to help biomedical engineers who will encounter patents in their work and needs to understand the nature and the scope of the patent system, how patents are obtained, and how to commercially exploit a patent.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Biomedical Engineering  
**Status (catalog level):** Active

**BMDE 654**  
**Credit Weight:** 3  
**Transcript Title:** Biomed Reg Affairs-Med Devices  
**Calendar Title:** Biomedical Regulatory Affairs – Medical Devices  
**Description:**  
Regulatory strategies and quality management systems are critical for medical device development. This course provides an overview of regulatory requirements, and familiarize students with the important ISO and IEC standards pertaining to medical device development. This course will provide biomedical engineers with an understanding of the regulatory and quality requirements to translate a medical device idea into a commercial product, and will draw upon the expertise of invited speakers currently working in the medical devices industry.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Biomedical Engineering  
**Status (catalog level):** Active

**BMDE 655**  
**Credit Weight:** 3  
**Transcript Title:** Biomed Clin Trials-Med Devices  
**Calendar Title:** Biomedical Clinical Trials – Medical Devices  
**Description:**  
This course will train biomedical engineers to understand the clinical and business aspects of transferring a medical device idea into a commercial product. This course provides an overview of the preclinical and clinical testing of medical devices, clinical trials, reimbursement systems, market analysis, sales models, and business models, as pertaining to medical devices. This course will also cover the design of randomized trials, including statistical principles, hypothesis postulating, bias minimization, and randomization methods.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Biomedical Engineering  
**Status (catalog level):** Active

**BMDE 656**  
**Credit Weight:** 3  
**Transcript Title:** Medical Device Dvlpmnt Process  
**Calendar Title:** Medical Device Development Process.
Description:
Development of medical devices from concept to usage in humans. Overview of technical and regulatory processes to ensure safety and efficacy from the perspective of patients and users. Discussion of an existing medical device, reviewing all steps of the design process and the required documentation for regulatory submission.

Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 657D1
Credit Weight: 9
Calendar Title: Biomedical Engineering Industry Internship.
Description:
This course covers various aspects of translational biomedical engineering at an organization in the biomedical engineering industry (including private, public and non-governmental organizations), which includes applying engineering principles to design, develop, implement, or test biomedical engineering solutions as well as assume active roles in translational projects of biomedical engineering solutions at host organizations.

Notes:
Restrictions: This course is restricted to graduate students registered in the M.Sc.(A.) in Translational Biomedical Engineering; Non-Thesis.

Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 657D2
Credit Weight: 9
Calendar Title: Biomedical Engineering Industry Internship.
Description:
See BMDE 657D1 for course description.

Notes:
Restrictions: This course is restricted to graduate students registered in the M.Sc.(A.) in Translational Biomedical Engineering; Non-Thesis.

Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 660
Credit Weight: 3
Transcript Title: Advanced MRI/S of the Brain
Calendar Title: Advanced MR Imaging and Spectroscopy of the Brain.
Description:
Advanced magnetic resonance imaging and spectroscopy techniques to investigate the structure, connectivity, chemistry and physiology of the brain, including data acquisition and reconstruction techniques, scanner hardware, and contrast mechanisms. Focus on neuroscience applications.

Notes:
Prerequisites: PHYS 241, ECSE 304 or ECSE 306; PHYS 242 or ECSE 251

Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active
BMDE 700

Credit Weight: 0
Transcript Title: Ph.D. Comprehensive
Calendar Title: Ph.D. Comprehensive.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active
BREE 103
Credit Weight: 3
Transcript Title: Linear Algebra
Calendar Title: Linear Algebra.
Description:
Systems of linear equations, matrices, inverses, determinants, geometric vectors in three dimensions, dot and cross product, lines and planes; introduction to vector spaces, linear (in)dependence, bases. Introduction to computer-based mathematical tools.
Notes:
3 lectures and 1 conference
Restriction: Not open to students who have taken Math 133 or CEGEP objective 00UQ or equivalent
Prerequisite: AEMA 100 or equivalent course in functions/precalculus
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 187
Credit Weight: 0.5
Transcript Title: Freshman Seminar 1
Calendar Title: Freshman Seminar 1.
Description:
Members of the Faculty and/or Student Services will present seminars on resources available to help students develop the requisite skills to facilitate their transition into university life.
Notes:
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 188
Credit Weight: 0.5
Transcript Title: Freshman Seminar 2
Calendar Title: Freshman Seminar 2.
Description:
Members of the Faculty present seminars on topical issues about their area of research.
Notes:
Restrictions: Open to Freshman intending to enroll in B.Eng. Bioresource Engineering Major. Not open to students who have taken AGRI 196.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 205
Credit Weight: 3
Transcript Title: Engineering Design 1
Calendar Title: Engineering Design 1.
Description:
Role of the bioresource engineer in society; introduction to engineering analysis and design; kinds of engineering; role and duties of the engineer in the design, construction, and operation of bio-based facilities, industries and the environment. Regulation of the engineering profession; law and liability; engineering ethics; occupational health and safety.
Notes:
Restrictions: Open to students enrolled in a Bioresource Engineering program or permission of the instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 210
Credit Weight: 3
Transcript Title: Mechanical Analysis and Design
Calendar Title: Mechanical Analysis and Design.
Description:
Non-concurrent force systems; analysis of simple trusses and multforce frames; friction, shearing forces and bending moments in beams and frames; centres of gravity.
Notes:
  3 lectures and 2 hours lab or problems per week.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 214
Credit Weight: 3
Transcript Title: Geomatics
Calendar Title: Geomatics.
Description:
The communicative skills of surveying. The fundamentals of surveying through the application of reasoning, tools, techniques, and instruments. Practices in use of basic surveying equipment including steel tape, level, and theodolite. The use and operation of Total Stations. The procedures and methods for the measurement of distances, elevations, angles and positions. Basic surveying calculations, including traverse adjustments.
Notes:
Two lectures and one 3-hour lab per week.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 216
Credit Weight: 3
Transcript Title: Bioresource Eng. Materials
Calendar Title: Bioresource Engineering Materials.
Description:
Introduction to the composition and mechanical constitution of materials used in bioresource engineering, including metals, plastics, concrete, wood, composite, plant and food materials. Crystal structure, alloys, phase diagrams, stresses and strains, elasticity, plasticity, yield, fracture, ductility, heat treatments, cold work, corrosion, composite materials, concrete chemistry, polymers.
Notes:
2 lectures and one 2-hour lab
Restrictions: Open to students enrolled in a Bioresource Engineering program or permission of the instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active
BREE 217
Credit Weight: 3
Transcript Title: Hydrology and Water Resources
Calendar Title: Hydrology and Water Resources.
Notes: Three lectures, one 2-hour lab per week.
This course carries an additional course charge for field trips.
This course carries an additional course charge of $19.43 to cover transportation costs for two field trips, which may include a visit to a national weather station and a trip to gain hands-on experience on monitoring water flow in streams.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 252
Credit Weight: 3
Transcript Title: Computing for Engineers
Calendar Title: Computing for Engineers.
Description: A disciplined general approach to the solution of engineering problems, and the implementation of these solutions using structured programming methods in a current computational environment.
Notes: 3 lectures and one 2-hour lab per week
Note that a B+ must be obtained in this course in order to be permitted to register in BREE 504
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 301
Credit Weight: 3
Transcript Title: Biothermodynamics
Calendar Title: Biothermodynamics.
Description: Classical thermodynamic analysis of pure and simple compressible systems. The course covers the first and second laws of thermodynamics. It deals with basic concepts of thermodynamics and thermochemistry in biological systems.
Notes: 3 lectures and one 2-hour lab
Restriction: Open to students in Bioresource Engineering and Bionegineering programs and permission of the instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 305
Credit Weight: 3
Transcript Title: Fluid Mechanics
Calendar Title: Fluid Mechanics.
Description: Properties of fluids; fluid statics; principles of flow of incompressible and compressible fluids; dimensional analysis boundary layers; conduit and open channel systems; simple applications to turbo machinery.
Notes: Prerequisites: BREE 210, AEMA 202
Three lectures and one 2-hour lab or problems per week. This course carries an additional course charge for field trips. This course carries an additional charge of $37.68 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 312
Credit Weight: 3
Transcript Title: Electric Circuits and Machines
Calendar Title: Electric Circuits and Machines.
Description: General circuit laws and DC circuits; electromagnetic circuits; inductance and capacitance, natural and forced response of circuits; analysis of single phase and three phase networks; transformers, AC and DC motors/generators.
Notes: Three lectures and one 2-hour lab or problems per week. Prerequisite: AEMA 305.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 314
Credit Weight: 3
Transcript Title: Agri-Food Buildings
Calendar Title: Agri-Food Buildings.
Description: Analysis and design of structures to house animals and plants and to process and store animal and plant products. Introduction to environmental control systems and animal waste management.
Notes: Three lectures and 2-hour lab per week. This course carries an additional course charge for field trips. Analysis and design of structures to house animals and plants and to process and store animal and plant products. Introduction to environmental control systems and animal waste management. This course carries an additional course charge of $130.00 to cover transportation costs for field trips which may include an agri-centre, sugar shack and winery.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 319
Credit Weight: 3
Transcript Title: Engineering Mathematics
Calendar Title: Engineering Mathematics.
Description:
Advanced topics in engineering mathematics, including systems of ordinary
differential equations, stability analysis, special functions, orthogonal
functions and Fourier series, boundary value problems in various coordinate
systems, and integral transforms. The use of computer-based mathematical tools is
an integral part of the course.

Notes:
3 hours of lecture and 1 hour of conference per week
Prerequisite: AEMA 305 and BREE 252, or equivalents.
Restriction: Not open to students who have taken ABEN 319.

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 322
Credit Weight: 3
Transcript Title: Organic Waste Management
Calendar Title: Organic Waste Management.
Description:
An introduction to engineering aspects of handling, storage and treatment of all
biological and food industry wastes. Design criteria will be elaborated and
related to characteristics of wastes. Physical, chemical and biological treatment
systems.
Notes:
2 lectures and one 2-hour lab
Restriction: Not open to students who have taken ABEN 322.
A fee of $24.34 is charged to support a field trip to local waste management
facilities for guided tour and information-gathering for a course assignment as
well as some laboratory supplies for hands-on composting and/or anaerobic
digestion lab.

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 324
Credit Weight: 3
Transcript Title: Elements of Food Engineering
Calendar Title: Elements of Food Engineering.
Description:
A course in basic food engineering for non-engineering students, covering heat
transfer, mass and energy balances, food process unit operations, material
transport/steam/refrigeration systems.
Notes:
Two 1.5-hour lectures and one 3-hour lab per week
Restriction: Not open to students in any of the B.Eng. (Bioresource) programs.
Restriction: Not open to students who have taken BREE 325.
Corequisite: FDSC 330
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 325
Credit Weight: 3
Transcript Title: Food Process Engineering
Calendar Title: Food Process Engineering.
Description:
Heat and mass transfer, enthalpy and mass balances, sterilizing, freezing, fluid flow, pipes, steam, refrigeration, pumps and valves.

Notes:
Three lectures and one 3-hour lab per week.
Restriction: Not open to students who have taken BREE 324
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 327
Credit Weight: 3
Transcript Title: Bio-Environmental Engineering
Calendar Title: Bio-Environmental Engineering.
Description:
An introduction to how humans affect the earth's ecosystem and projections for the needs of food, water, air and energy to support the human population.
Ecologically-reasonable coping strategies including biofuels, bioprocessing, waste management, and remediation methods.
Notes:
Open to U2 students and above.
This course carries an additional course charge for field trips.
This course carries an additional course charge of $11.96 to cover transportation costs for field trips which may include a solar installation site and if registrations permit, a bio-ethanol plant. The fee is refundable only during the withdrawal with full refund period
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 329
Credit Weight: 3
Transcript Title: Precision Agriculture
Calendar Title: Precision Agriculture.
Description:
The course provides an overview of the principle concepts of precision agriculture. It focuses on equipment, software and the information management systems for mastering the essential steps when adopting and developing economically viable and environmentally sound solutions for modern farms and other agribusiness enterprises.
Notes:
Prerequisites: AEBI 210, PLNT 300, or equivalent approved by the instructor.
Not open to students who have taken FMT4 027
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 341
Credit Weight: 3
Transcript Title: Mechanics of Materials
Calendar Title: Mechanics of Materials.
Description:
Stress, strain, resilience, elastic and plastic properties of materials; bending moment and shear force diagrams; bending and shear stress; deflections; simple, fixed and continuous beams, torsion and helical springs, reinforced concrete beams; columns, bending and direct stress; general case of plane stress; Mohr's circle.
Notes:
Three lectures and one 3-hour lab per week.
Prerequisite: BREE 210
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 403
Credit Weight: 3
Transcript Title: Biological Material Properties
Calendar Title: Biological Material Properties.
Description:
Relationships between composition, structure and properties of biological materials. Measurement methods and use of mechanical, thermal, electromagnetic, chemical and functional properties in the design of new applications and product development.
Notes:
Restrictions: Not open to students who have taken BREE 423.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 412
Credit Weight: 3
Transcript Title: Machinery Systems Engineering
Calendar Title: Machinery Systems Engineering.
Description:
Study and analysis of machines for tillage, harvesting, crop processing and handling. Field tests, load studies, design requirements; design of machines and components for agricultural applications.
Notes:
Three lectures and one 3-hour lab per week
Prerequisite: BREE 341
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 415
Credit Weight: 3
Transcript Title: Design of Mach.&Struct.Elems
Calendar Title: Design of Machines and Structural Elements.
Description:
Design of shafts, bearings, gears, fasteners, and frames. Material selection and introduction to advanced materials for machine and structural design applications. Stress, strain, and deflection analysis for standard machine and structural elements. Predicting mechanical failure caused by static and variable (fatigue) loads using proper design criteria. Applying fundamental concepts for the analysis and design of machine elements (shafts, gears, and bearings). Integrating the design of individual machine elements into larger systems and applying numerical modeling (finite element method), engineering drawing, and 3D printing for validation and rapid prototyping of designed machine and structural elements.
Notes:
Prerequisite: BREE 210, BREE 216, and BREE 341
Restriction: Not open to students who have taken BREE 315.
3 hours of lecture and 2 hours of problems per week
A course fee of $20.60 is to pay for supplies used in fused-deposition modeling (FDM) and Stereolithography (SLA) for 3D printing of structural and machine elements. The fee is associated with the printing materials and accessories used in lab sessions.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 416**  
**Credit Weight:** 3  
**Transcript Title:** Eng for Land Development  
**Calendar Title:** Engineering for Land Development.  
**Description:** Engineering aspects of land stewardship and water resource conservation, including: introduction to the hydrologic cycle and agricultural water use; computation of soil loss by water erosion; conservation farming practices; reservoirs and embankments; water and sediment control structures; stream restoration and water supply; wetlands and wetland design; irrigation principles and design; pumps and pumping; introduction to drainage and water table management.

**Symbols:** ALTY - Taught in alternate years  
**Notes:**  
- Prerequisite: BREE 217  
- 3 lectures and one 2-hour lab per week or design problems.  
- The passing grade for the prerequisite (BREE 217) is B-.

**BREE 418**  
**Credit Weight:** 3  
**Transcript Title:** Soil Mechanics & Foundations  
**Calendar Title:** Soil Mechanics and Foundations.  
**Description:** The exploration of subsoils, strength theories, granular and cohesive soils, foundation design, settlement calculation, consolidation, slope stability, Atterberg limits, triaxial testing, direct shear testing, compaction, soil freezing, frost heaving.  
**Notes:**  
- 3 lectures and one 3-hour lab  
- Prerequisite: BREE 341 (formerly ABEN 341)  
- Restriction: Not open to students who have taken ABEN 418.

**BREE 419**  
**Credit Weight:** 3  
**Transcript Title:** Structural Design  
**Calendar Title:** Structural Design.  
**Description:** Structural Design in steel and timber; application of complete design procedures to working stress design; plastic design for ultimate loading.

**Symbols:** ALTY - Taught in alternate years  
**Notes:**  
- Three lectures and one 3-hour lab or design problems per week.
Prerequisite: BREE 341
**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Bioresource Engineering
**Status (catalog level):** Active

**BREE 420**
**Credit Weight:** 3
**Transcript Title:** Eng for Sustainability
**Calendar Title:** Engineering for Sustainability.
**Description:**
Principles and practices of engineering for sustainability. Emphasis on environmental, economic, social, management and policy factors that should be incorporated into sustainable approaches to engineering and design. Topics will include: sustainability metrics, systems thinking, stakeholder engagement, and leading change for sustainability within companies.
**Notes:**
Prerequisite: FACC 300 or permission of instructor

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Bioresource Engineering
**Status (catalog level):** Active

**BREE 451**
**Credit Weight:** 1
**Transcript Title:** UG Seminar 1-Oral Presentation
**Calendar Title:** Undergraduate Seminar 1 - Oral Presentation.
**Description:**
Attendance and participation in departmental undergraduate seminars, where each student must give an oral presentation.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Bioresource Engineering
**Status (catalog level):** Active

**BREE 452**
**Credit Weight:** 1
**Transcript Title:** UG Seminar 2-Poster Present'n
**Calendar Title:** Undergraduate Seminar 2 Poster Presentation.
**Description:**
Attendance and participation in departmental undergraduate seminars. All students will be required to prepare and present a poster.

**Notes:**
Prerequisite: BREE 451

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Bioresource Engineering
**Status (catalog level):** Active

**BREE 453**
**Credit Weight:** 1
**Transcript Title:** UG Seminar 3-ScientificWriting
**Calendar Title:** Undergraduate Seminar 3 - Scientific Writing.
**Description:**
Attendance and participation in undergraduate departmental seminars and science writing workshops.

**Notes:**
Prerequisites: BREE 452

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Bioresource Engineering
Status (catalog level): Active

BREE 481
Credit Weight: 0.5
Transcript Title: Undergrad Seminar 1
Calendar Title: Undergraduate Seminar 1.
Description: Attendance and participation in departmental seminars.
Notes: Restrictions: Not open to students who have taken ABEN 491D/N or ABEN 481.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering

Status (catalog level): Active

BREE 482
Credit Weight: 0.5
Transcript Title: Undergrad Seminar 2
Calendar Title: Undergraduate Seminar 2.
Description: Attendance and participation in departmental seminars.
Notes: Restrictions: Not open to students who have taken ABEN 492D/N or ABEN 482.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering

Status (catalog level): Active

BREE 483
Credit Weight: 0.5
Transcript Title: Undergrad Seminar 3
Calendar Title: Undergraduate Seminar 3.
Description: Attendance and participation in departmental seminars.
Notes: Restrictions: Not open to students who have taken ABEN 493D/N or ABEN 483.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering

Status (catalog level): Active

BREE 484
Credit Weight: 0.5
Transcript Title: Undergrad Seminar 4
Calendar Title: Undergraduate Seminar 4.
Description: Attendance and participation in departmental seminars.
Notes: Restriction: Not open to students who have taken ABEN 484.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering

Status (catalog level): Active

BREE 485
Credit Weight: 1
Transcript Title: Senior Undergraduate Seminar 1
Calendar Title: Senior Undergraduate Seminar 1.
Description: Attendance and participation in departmental seminars, and a small written project
Notes:
Prerequisite: BREE 453

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 486
Credit Weight: 1
Transcript Title: Senior Undergrad. Seminar 2
Calendar Title: Senior Undergraduate Seminar 2.
Description:
Attendance and participation in departmental seminars, and a small written project report.
Notes:
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 490
Credit Weight: 3
Transcript Title: Engineering Design 2
Calendar Title: Engineering Design 2.
Description:
The student is expected to develop a professional design project proposal with due considerations to executive summary, synthesis, methodology, milestones, budget, etc.
Notes:
One lecture per week.
Prerequisites: CHEE 315 or MECH 346, BREE 415.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 495
Credit Weight: 3
Transcript Title: Engineering Design 3
Calendar Title: Engineering Design 3.
Description:
The student is expected to implement, physically or virtually, the project proposed in the Design 1 course. The student is expected to present project outcome, in both written and oral forms and learn to be critical about their own work and those of others.
Notes:
One lecture per week.
Prerequisite: BREE 490
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 497
Credit Weight: 3
Transcript Title: Bioresource Eng. Project
Calendar Title: Bioresource Engineering Project.
Description:
Independent study for design and experimental work on a bioresource engineering topic chosen in consultation between the student and departmental staff.
Notes: Prerequisites: BREE 205 and BREE 327
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 501
Credit Weight: 3
Transcript Title: Simulation and Modelling
Calendar Title: Simulation and Modelling.
Description: Philosophical and mathematical principles of computational modelling and simulation: Concepts of verification, parameterization, validation, and sensitivity analysis. Introduction to basic concepts of finite element modelling: Direct stiffness and weighted residual methods. Introduction to software packages for general systems and multiphysics, finite-element-based modeling. Emphasis on biosystems engineering applications, e.g., ecosystem dynamics, material properties, solid and structural mechanics, heat transfer, fluid dynamics, electrical and machinery systems.
Notes: Prerequisite: BREE 252; AEMA 305; or permission of instructor. Restrictions: U3 students and above
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 502
Credit Weight: 3
Transcript Title: Drainage/Irrigation Eng.
Calendar Title: Drainage/Irrigation Engineering.
Description: Benefits and importance of drainage; types of drainage systems; design and construction of main, surface and subsurface drainage systems; drainage materials. Crop water requirements; evapotranspiration models; design and layout of surface, sprinkler and drip irrigation systems; pipe hydraulics; pumps.
Symbols: ALTY - Taught in alternate years
Notes: Prerequisite: BREE 217
Restriction: Open to U3 students and above.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 503
Credit Weight: 3
Transcript Title: Water: Society, Law and Policy
Calendar Title: Water: Society, Law and Policy.
Description: Water and society and the ramifications at the local, national and international scales with respect to legal and public policy issues related to, for example, drinking water quality, transboundary water management, public involvement, First Nations, agriculture, governance, and institutions relevant to the management of water resources.
Notes: Fall
Restriction: Open to students in the M.Sc. Bioresource Engineering (Non-Thesis):
Integrated Water Resources Management program or other graduate students by permission of the instructor.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 504**  
**Credit Weight:** 3  
**Transcript Title:** Instrumentation and Controls  
**Calendar Title:** Instrumentation and Control.  
**Description:**  
An overview of instrumentation and control systems used in bioresource engineering. Hands-on development of data acquisition systems and learning strategies to process and interpret the signal obtained constitute the majority of the course.  
**Notes:**  
3 lecture hours and one 2-hour lab per week during Fall term every year  
Prerequisites: BREE 252 and BREE 312 or equivalents.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 506**  
**Credit Weight:** 3  
**Transcript Title:** Adv in Drainage Management  
**Calendar Title:** Advances in Drainage Management.  
**Description:**  
**Notes:**  
3 weeks intensive course  
Restriction: Not open to students who have taken ABEN 506.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 509**  
**Credit Weight:** 3  
**Transcript Title:** Hydrologic Systems & Modelling  
**Calendar Title:** Hydrologic Systems and Modelling.  
**Description:**  
Hydrologic cycle in the nature and how to quantitatively describe those processes using models. The fundamentals of hydrology including basic concepts, precipitation, snow and snowmelt, evapotranspiration, subsurface flow, infiltration and soil water movement, and runoff and streamflow. Equivalent attention to theories and hands-on practices on model application. How to set up and execute weather data driven physical based models, both at a point-scale and a watershed scale, to predict snowmelt, evapotranspiration, infiltration, soil water redistribution, subsurface drainage, runoff, and stream flow in hydrologic systems.  
**Notes:**  
3 hour lectures  
Prerequisite: BREE 217 or equivalent.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering
**BREE 510**

**Credit Weight:** 3  
**Transcript Title:** Watershed Systems Management  
**Calendar Title:** Watershed Systems Management.  
**Description:** A holistic examination of methods in watershed management with a focus on integrated water resources management (IWRM). Topics include: integration, participatory management, water resources assessment, modeling, planning, adaptive management, transboundary management, and transition management.  
**Notes:**  
(3-2-4)  
Restrictions: U3 students or above.  
Note: Case studies and a project.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 512**

**Credit Weight:** 3  
**Transcript Title:** Soil Cutting and Tillage  
**Calendar Title:** Soil Cutting and Tillage.  
**Description:** Soil mechanics applied to cutting, tillage and drain installation tools. Soil cutting forces for two and three dimensional implements. Soil loosening, inversion, sorting and manipulation. Selection of traction machines to match soil cutting and tillage requirements. Depth and grade control systems. Analysis of drainage machines, wheel trenchers, chain trenchers and trenchless plows.  
**Notes:**  
2 lectures and one 2-hour lab  
Prerequisite (Undergraduate): BREE 341 (formerly ABEN 341)  
Restriction: Not open to students who have taken ABEN 512.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 515**

**Credit Weight:** 3  
**Transcript Title:** Soil Hydrologic Modelling  
**Calendar Title:** Soil Hydrologic Modelling.  
**Description:** A review of computer simulation models for designing subsurface drainage systems. Use of CAD systems for designing and drafting drainage plans.  
**Notes:**  
Three lectures and one 3-hour lab per week.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 518**

**Credit Weight:** 3  
**Transcript Title:** Ecological Engineering  
**Calendar Title:** Ecological Engineering.  
**Description:** Concepts and practice of ecological engineering: the planned creation or
management of a community of organisms, their nonliving surroundings, and technological components to provide services. Survey of applications such as constructed wetlands, aquatic production systems, green infrastructure for urban storm water management, environmental restoration. Taught cooperatively with a parallel course at University of Nebraska-Lincoln. Online collaboration with an interdisciplinary, international team is an important component of the course.

Notes:
One 3-hour lecture per week.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 519
Credit Weight: 3
Transcript Title: Advanced Food Engineering
Calendar Title: Advanced Food Engineering.
Description: Advanced topics in food engineering. Concepts of mathematical modelling and research methodologies in food engineering. Topics include heat and mass transfer in food systems, packaging and distribution of food products, thermal and non-thermal processing, rheology and kinetics of food transformations.
Notes: Three lectures and one 2-hour lab per week.
Prerequisites: BREE 325, or permission of instructor.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 520
Credit Weight: 3
Transcript Title: Food, Fibre and Fuel Elements
Calendar Title: Food, Fibre and Fuel Elements.
Description: Analysis and design incorporating the four elements required by organisms and biomass for food, fibre and fuel production (air, earth, energy, and water). Special emphasis will be placed on the demands and requirements of engineering systems to control these elements and allow optimal growth in semi-controlled and completely controlled environments.
Symbols: ALTY - Taught in alternate years
Notes: Prerequisite: BREE 327

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 522
Credit Weight: 3
Transcript Title: Bio-Based Polymers
Calendar Title: Bio-Based Polymers.
Description: The structure and properties of selected biomass (e.g. vegetable oils and starches) will be reviewed. The synthesis of bio-based polymers through chemical modification, casting, compression and extrusion among other methods will be studied. The physical properties of the resulting matrices will then be reviewed. Commercial applications will be examined.
Notes: Prerequisites: BREE 216 and BREE 341 or permission of instructor
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 525
Credit Weight: 3  
Transcript Title: Climate Control for Buildings  
Calendar Title: Climate Control for Buildings.  
Description: The analyses of heat and water vapour transfer through the structure of buildings are used to design heating, ventilation and refrigeration systems. Heat conduction and convection as well as radiation are included in the analysis of heat transfer. Ventilation systems are designed for livestock shelters, produce storages and greenhouses.  
Notes: 3 lectures and one 3-hour lab  
Prerequisite: BREE 301 (formerly ABEN 301)  
Restriction: U3 students or above. Not open to students who have taken ABEN 525.

BREE 529
Credit Weight: 3  
Transcript Title: GIS for Natural Resource Mgmt  
Calendar Title: GIS for Natural Resource Management.  
Description: Applications of Geographic Information Systems (GIS) and spatial analysis techniques to the presentation and analysis of ecological information, including sources and capture of spatial data; characterizing, transforming, displaying spatial data; and spatial analysis to solve resource management problems.  
Notes: Prerequisite(s): At least one environmental science course and one ecology course or permission of instructor  
Restriction(s): U2 students and above. Not open to students who have taken GEOG 201, GEOG 306, GEOG 307, ENVB/BREE 430, or ENVB 529. Limited to 32 students.  
Fall

BREE 530
Credit Weight: 3  
Transcript Title: Fermentation Engineering  
Calendar Title: Fermentation Engineering.  
Description: Advanced topics in food and fermentation engineering are covered, including brewing, bioreactor design and control and microbial kinetics.  
Notes: 3 lectures and one 3-hour lab  
Prerequisite (Undergraduate): BREE 305 or equivalent  
Graduate courses available to senior undergraduates with permission of the instructor  
A fee of $121.94 covers the cost of the fermentation laboratory consumables and transportation costs for field trips which may include a brewery, winery and other fermentation operations
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 531  
Credit Weight: 3  
Transcript Title: Post-Harvest Drying  
Calendar Title: Post-Harvest Drying.  
Description: Heat and moisture transfer with respect to drying of agricultural commodities; techniques of enhancement of heat and mass transfer; drying efficiency and scale-up problems.  
Notes: Restriction: Open to U3 students or above.  
This course carries an additional course charge for field trips.  
This course carries an additional course charge of $47.34 to cover transportation costs for two field trips which may include at least two visits to distinctly different drying facilities in the field.  

BREE 532  
Credit Weight: 3  
Transcript Title: Post-Harvest Storage  
Calendar Title: Post-Harvest Storage.  
Description: Active, semi-passive and passive storage systems; environmental control systems; post-harvest physiology and pathogenicity; quality assessment and control methodology; economic aspects of long-term storage.  
Symbols: ALTY - Taught in alternate years  
Notes:  
This course carries an additional course charge for field trips.  
Restriction: Open to U3 students or above.  
This course carries an additional charge of $49.87 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.  

BREE 533  
Credit Weight: 3  
Transcript Title: Water Quality Management  
Calendar Title: Water Quality Management.  
Description: The water phases of terrestrial ecological systems and the processes that link them. Physical, chemical, and biological properties of water, and water quality standards. The fate and transport of pollutants in rivers and streams, lakes, and wetlands. Methods to quantify soil carbon and nitrogen cycle to predict nutrient leaching. Impacts of human activities (e.g., agricultural drainage) on water quality and measures to improve drainage water quality. Assess the effectiveness of proposed engineering measures or management practices in improving or maintaining water quality of a real site/water body using numerical methods or a computer modelling approach.  
Notes:
Restriction: Not open to students who have taken BREE 625 (formerly ABEN 625).

Management of water quality for sustainability. Cause of soil degradation, surface and groundwater contamination by agricultural chemicals and toxic pollutants. Screening and mechanistic models. Human health and safety concerns. Water table management. Soil and water conservation techniques will be examined with an emphasis on methods of prediction and best management practices.

This course carries an additional charge of $37.68 to cover the cost of transportation with respect to a field trip. The fee is refundable only during the withdrawal with full refund period.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Bioresource Engineering

**Status (catalog level):** Active

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**BREE 535**

**Credit Weight:** 3

**Transcript Title:** Food Safety Engineering

**Calendar Title:** Food Safety Engineering.

**Description:**
The application of engineering principles to address microbial and chemical safety challenges in food processing, including intervention technologies (traditional and novel non-thermal intervention technologies, chemical interventions, and hurdle approach); control, monitoring and identification techniques (biosensors); packaging applications in food safety (active packaging, intelligent or smart packaging); and tracking and traceability systems.

**Notes:**
Prerequisite: BREE 324 or BREE 325 or FDSC 330 or permission of the instructor

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**BREE 600**

**Credit Weight:** 1

**Transcript Title:** Project/Internship Proposal

**Calendar Title:** Project/Internship Proposal.

**Description:**
Preparation of research proposals for BREE 671 and BREE 672 research projects and/or preparation of the internship programs with government, non-governmental organizations or private sector, for BREE 601 and BREE 602.

**Notes:**
Restriction(s): This course is restricted to graduate students registered in the M.Sc.(A.) in Bioresource Engineering; Non-Thesis - Integrated Food and Bioprocessing.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Bioresource Engineering

**Status (catalog level):** Active

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**BREE 601**

**Credit Weight:** 6

**Transcript Title:** Integr Food & Bioproc Intern 1

**Calendar Title:** Integrated Food and Bioprocessing Internship 1.

**Description:**
Placement in a government, non-governmental organization or private sector agency for 6 weeks of full-time work on a bioprocess and food security project (35 hr per week). Students will be responsible for defining a mandate, then performing and reporting on the work/research performed during the internship.

**Notes:**
Prerequisite: BREE 600.
Restriction: This course is restricted to graduate students registered in the M.Sc.(A.) in Bioresource Engineering; Non-Thesis - Integrated Food and Bioprocessing.
Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 602
Credit Weight: 6
Transcript Title: Integr Food & Bioproc Intern 2
Calendar Title: Integrated Food and Bioprocessing Internship 2.
Description:
Placement in a government, non-governmental organization or private sector agency for 6 weeks of full-time work on a bioprocess and food security project (35 hr per week). Students will be responsible for defining a mandate, then performing and reporting on the work/research performed during the internship.
Notes:
Prerequisite: BREE 600.
Restriction: This course is restricted to graduate students registered in the M.Sc.(A.) in Bioresource Engineering; Non-Thesis - Integrated Food and Bioprocessing.
Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 603
Credit Weight: 3
Transcript Title: Adv Properties: Food&Plant Mat
Calendar Title: Advanced Properties: Food and Plant Materials.
Description:
Advanced topics related the physico-chemical characteristics/properties of biological products: including mechanical, thermal, electromagnetic and functional properties. Emphasis will be on food constituents (nutraceuticals), plants of pharma-co-interest (phytochemicals), new sources of natural fibers and biofuel biomass.
Notes:
Prerequisite (s): Permission of instructor
Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 608
Credit Weight: 3
Transcript Title: Spec Prob in Bioresource Eng 1
Calendar Title: Special Problems in Bioresource Engineering 1.
Description:
Laboratory, field and library studies and reports on special problems related to agricultural and biosystems engineering that are not covered in regular course work.
Notes:
2 conferences, either term
Restriction: Not open to students who have taken ABEN 608.
Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active
**BREE 623**

**Credit Weight:** 3  
**Transcript Title:** Proposal Preparation  
**Calendar Title:** Proposal Preparation  
**Description:**  
Critiques of proposals prepared by others. Preparation and defense of a research proposal.  
**Notes:**  
3 hours conferences  
Restriction: Open only to Non-thesis graduate students in the department of Bioresource Engineering.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 630**

**Credit Weight:** 13  
**Transcript Title:** IWRM Internship  
**Calendar Title:** Integrated Water Resources Management Internship.  
**Description:**  
Placement in a government, or private sector agency for 13 weeks of full-time work on an integrated water resource management project (35 hours per week). Student shall be responsible for defining a mandate, then performing and reporting on the work/research performed. This course is now to be offered both in the Winter semester (new) and the Summer semester (current).  
**Notes:**  
Prerequisites: BREE 510 and BREE 655  
Corequisite: BREE 631  
Restriction: Open only to students enrolled in the Non-Thesis IWRM program  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 631**

**Credit Weight:** 6  
**Transcript Title:** IWRM Project  
**Calendar Title:** Integrated Water Resources Management Project.  
**Description:**  
To broaden the scope of the IWRM internship experience (BREE 630) in the form of a research paper or 'plan of action' that expands on the water resources management problem(s) or issue(s) examined in the internship. This course is now to be offered both in the Winter semester (new) and the Summer semester (current).  
**Notes:**  
Prerequisites: BREE 510 and BREE 655  
Corequisite: BREE 630  
Restriction: Open only to students enrolled in the Non-Thesis IWRM program  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Bioresource Engineering  
**Status (catalog level):** Active

**BREE 651**

**Credit Weight:** 1  
**Transcript Title:** Departmental Seminar M.Sc. 1  
**Calendar Title:** Departmental Seminar M.Sc. 1.  
**Description:**
To give seminars and participate in discussions.

Notes:
Restriction: Not open to students who have taken ABEN 651.

Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 652
Credit Weight: 1
Transcript Title: Departmental Seminar M.Sc. 2
Calendar Title: Departmental Seminar M.Sc. 2.
Description:
To give seminars and participate in discussions.

Notes:
Prerequisites: BREE 651

Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 655
Credit Weight: 3
Transcript Title: IWRM Research Visits
Calendar Title: Integrated Water Resources Management Research Visits.
Description:
Class visits to various firms and agencies working in the realm of integrated water resources management.

Notes:
Restriction(s): Open only to students in the Non-thesis IWRM program.
Visits occur in alternate weeks; each visit is followed by research and submission of a written report.
This course carries an additional course charge of $72.55 to cover transportation costs for field trips related to the course.

Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 671
Credit Weight: 6
Transcript Title: Project 1
Calendar Title: Project 1.
Description:
Supervised research project.

Notes:
Restriction: Not open to students who have taken ABEN 671 or ABEN 671D1/D2.

Administrating Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 672
Credit Weight: 6
Transcript Title: Project 2
Calendar Title: Project 2.
Description:
Supervised research project.

Notes:
Restriction: Not open to students who have taken ABEN 672 or ABEN 672D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 672D1
Credit Weight: 3
Transcript Title: Project 2
Calendar Title: Project 2.
Description: Prepare project outline, execute and report. This project relates to the M.Sc. (Applied) degree.
Notes: Students must register for both BREE 672D1 and BREE 672D2. No credit will be given for this course unless both BREE 672D1 and BREE 672D2 are successfully completed in consecutive terms. BREE 672D1 and BREE 672D2 together are equivalent to BREE 672.
Restriction: Not open to students who have taken ABEN 672 or ABEN 672D1/D2.

BREE 672D2
Credit Weight: 3
Transcript Title: Project 2
Calendar Title: Project 2.
Description: See BREE 672D1 for course description.
Notes: Prerequisite: BREE 672D1. No credit will be given for this course unless both BREE 672D1 and BREE 672D2 are successfully completed in consecutive terms. BREE 672D1 and BREE 672D2 together are equivalent to BREE 672.
Restriction: Not open to students who have taken ABEN 672 or ABEN 672D1/D2.

BREE 673
Credit Weight: 3
Transcript Title: Project 3
Calendar Title: Project 3.
Description: Supervised research project.

BREE 691
Credit Weight: 4
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: Problem definition and literature Review.
Notes: Restriction: Not open to students who have taken ABEN 691.

Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 692
Credit Weight: 4
Transcript Title: M.Sc. Thesis 2
Calendar Title: M.Sc. Thesis 2.
Description:
Written and oral presentation of thesis proposal to the research Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 693
Credit Weight: 4
Transcript Title: M.Sc. Thesis 3
Calendar Title: M.Sc. Thesis 3.
Description:
Methodology development.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 694
Credit Weight: 4
Transcript Title: M.Sc. Thesis 4
Calendar Title: M.Sc. Thesis 4.
Description:
Experimentation 1.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 695
Credit Weight: 4
Transcript Title: M.Sc. Thesis 5
Calendar Title: M.Sc. Thesis 5.
Description:
Experimentation 2.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 696
Credit Weight: 4
Transcript Title: M.Sc. Thesis 6
Calendar Title: M.Sc. Thesis 6.
Description:
Data analysis.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 697
Credit Weight: 4
Transcript Title: M.Sc. Thesis 7
Calendar Title: M.Sc. Thesis 7.
Description:
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 698
Credit Weight: 3
Transcript Title: M.Sc. Thesis 8
Calendar Title: M.Sc. Thesis 8.
Description:
Thesis completion and acceptance.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 699
Credit Weight: 3
Transcript Title: Scientific Publication
Calendar Title: Scientific Publication.
Description:
Review and critique papers that are published in field of the candidate. Prepare draft paper(s) following the format of leading journals in field of study undertaken.
Notes:
Periodic conferences
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 701
Credit Weight: 0
Transcript Title: Ph.D.Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active

BREE 702
Credit Weight: 3
Transcript Title: Spec Prob in Bioresource Eng 2
Calendar Title: Special Problems in Bioresource Engineering 2.
Description:
Advanced level laboratory, field and library studies and reports on special problems related to agricultural and biosystems engineering which are not covered in regular course work. Designed for doctoral level students with experience in postgraduate studies.
Notes:
2 conferences, either term
Restriction: Not open to students who have taken ABEN 702.
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 708  
Credit Weight: 3  
Transcript Title: Spec Prob in Bioresource Eng 2  
Calendar Title: Special Problems in Bioresource Engineering 2.  
Description: Advanced level laboratory, field and library studies and reports on special problems related to agricultural and biosystems engineering which are not covered in regular course work. Designed for doctoral level students with experience in postgraduate studies.  
Notes: Restrictions: Not open to students who have taken BREE 702.  
Administrating Faculty: Graduate Studies  
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 751  
Credit Weight: 0  
Transcript Title: Departmental Seminar Ph.D. 1  
Calendar Title: Departmental Seminar Ph.D. 1.  
Description: To give seminars and participate in discussions.  
Notes: Restriction: Not open to students who have taken ABEN 751.  
Administrating Faculty: Graduate Studies  
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 752  
Credit Weight: 0  
Transcript Title: Departmental Seminar Ph.D. 2  
Calendar Title: Departmental Seminar Ph.D. 2.  
Description: To give seminars and participate in discussions.  
Notes: Restriction: Not open to students who have taken ABEN 752.  
Administrating Faculty: Graduate Studies  
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 753  
Credit Weight: 0  
Transcript Title: Departmental Seminar Ph.D. 3  
Calendar Title: Departmental Seminar Ph.D. 3.  
Description: To give seminars and participate in discussion.  
Notes: Restriction: Not open to students who have taken ABEN 753.  
Administrating Faculty: Graduate Studies  
Teaching Department: Bioresource Engineering  
Status (catalog level): Active

BREE 754  
Credit Weight: 0
Transcript Title: Departmental Seminar Ph.D. 4
Calendar Title: Departmental Seminar Ph.D. 4.
Description:
To give seminars and participate in discussions.
Notes:
Restriction: Not open to students who have taken ABEN 754
Administering Faculty: Graduate Studies
Teaching Department: Bioresource Engineering
Status (catalog level): Active
BTEC 306
Credit Weight: 3
Transcript Title: Experiments in Biotechnology
Calendar Title: Experiments in Biotechnology.
Description: Practical laboratory-based research experience. Techniques in cellular and molecular biology, designing experiments and developing skills in interpretation and communication of experimental results.
Notes: Prerequisite(s): BIOL 202 or LSCI 204 or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

BTEC 501
Credit Weight: 3
Transcript Title: Bioinformatics
Calendar Title: Bioinformatics.
Description: This course introduces the application of computer software for analysis of biological sequence information. An emphasis is placed on the biological theory behind analytical techniques, the algorithms used and methods of developing a statistical framework for various types of analysis.
Notes: 3 lectures per week
Prerequisites: LSCI 202 or LSCI 204 and ANSC 326. Permission of instructor.
Restriction: Not open to students who have taken BINF 301.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 502
Credit Weight: 3
Transcript Title: Biotechnology Ethics & Society
Calendar Title: Biotechnology Ethics and Society.
Description: Examination of particular social and ethical challenges posed by modern biotechnology such as benefit sharing, informed consent in the research setting, access to medical care worldwide, environmental safety and biodiversity and the ethical challenges posed by patenting life.
Notes: Restriction: U3 and over.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 535
Credit Weight: 3
Transcript Title: Functional Genomics: Model Org.
Calendar Title: Functional Genomics in Model Organisms.
Description: An overview of strategies used to understand the function of genes, especially those identified through genome sequencing and bioinformatics. Use of model organisms that have proved particularly valuable for this purpose.
Notes: Prerequisite: 300-level course in genetics, molecular biology, biochemistry or permission of instructor.
Restriction: Limited to 30 students.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 555
Credit Weight: 3
Transcript Title: Structural Bioinformatics
Calendar Title: Structural Bioinformatics.
Description:
Fundamentals of protein structure and the application of tools for structure determination, how protein structure allows us to understand the complex biological functions, and how knowledge of protein structure can contribute to drug discovery.
Notes:
Winter
1-hr lecture, followed by 2 hrs of computer lab.
Prerequisite: Molecular biology or biochemistry, and basic bioinformatics, or permission of instructor.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 619
Credit Weight: 4
Transcript Title: Biotechnology Laboratory 2
Calendar Title: Biotechnology Laboratory 2.
Description:
A laboratory-based course in a variety of topics including: proteomics, protein expression and purification, conventional and HPLC chromatography, protein-protein interactions, ELISA, and Western blot analysis and hybridoma techniques.
Notes:
Prerequisite: BTEC 620 or permission of the instructor.
The fee of $580.96 is used to support the cost of chemical reagents, kits, disposables and minor equipment necessary to run this hands-on laboratory course.

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 620
Credit Weight: 4
Transcript Title: Biotechnology Laboratory 1
Calendar Title: Biotechnology Laboratory 1.
Description:
Practical training in contemporary methods of molecular and cellular biology. Intended for students with background in molecular biology, biochemistry, or a related area, who are already familiar with theoretical principles of recombinant DNA technologies. Topics include: polymerase chain reaction (PCR), methods for gene cloning and mutagenesis, eukaryotic and prokaryotic gene expression systems, protein purification and methods of eukaryotic cell culture.
Notes:
one 8-hour lab per week
The fee of $1161.92 is used to support the cost of chemical reagents, kits, disposables and minor equipment necessary to run this hands-on laboratory course.

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

**BTEC 621**
Credit Weight: 3  
Transcript Title: Biotechnology Management  
Calendar Title: Biotechnology Management.  
Description: Topics relevant to the management of research in industry are presented by experts working in industry. This course highlights the differences existing between research done in an academic environment and research done within industry.  
Notes: one 3-hour lecture per week  
Administering Faculty: Graduate Studies  
Teaching Department: Parasitology  
Status (catalog level): Active

**BTEC 622**
Credit Weight: 2  
Transcript Title: Biotech Research Project 1  
Calendar Title: Biotechnology Research Project 1.  
Description: Research project proposal and literature review.  
Notes: Prerequisite: BTEC 620. Restriction: M.Sc. (Applied) in Biotechnology students and is a prerequisite to BTEC 623, BTEC 624 and BTEC 625.  
Administering Faculty: Graduate Studies  
Teaching Department: Parasitology  
Status (catalog level): Active

**BTEC 623**
Credit Weight: 6  
Transcript Title: Biotech Research Project 2  
Calendar Title: Biotechnology Research Project 2.  
Description: Intensive research project, lasting a minimum of 16 weeks in conjunction with course Biotechnology Research Project 3, conducted in a university hospital or industry laboratory involved in biotechnology research or development.  
Notes: Corequisite: BTEC 622  
Restriction: M.Sc. (Applied) Biotechnology students  
Administering Faculty: Graduate Studies  
Teaching Department: Parasitology  
Status (catalog level): Active

**BTEC 624**
Credit Weight: 6  
Transcript Title: Biotech Research Project 3  
Calendar Title: Biotechnology Research Project 3.  
Description: Intensive research project, lasting a minimum of 16 weeks in conjunction with Biotechnology Research Project 2, conducted in a university hospital or industry laboratory involved in biotechnology research or development.  
Notes: Prerequisite: BTEC 622. Corequisite: BTEC 623.
Restriction: M.Sc.(Applied) Biotechnology students.

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 624D1
Credit Weight: 3
Transcript Title: Biotech Research Project 3
Calendar Title: Biotech Research Project 3.
Description:
Intensive research project, lasting a minimum of 16 weeks in conjunction with Biotechnology Research Project 2, conducted in a university hospital or industry laboratory involved in biotechnology research or development.
Notes:
Students must register for both BTEC 624D1 and BTEC 624D2
No credit will be given for this course unless both BTEC 624D1 and BTEC 624D2 are successfully completed in consecutive terms
BTEC 624D1 and BTEC 624D2 together are equivalent to BTEC 624

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 624D2
Credit Weight: 3
Transcript Title: Biotech Research Project 3
Calendar Title: Biotech Research Project 3.
Description:
See BTEC 624D1 for course description.
Notes:
Prerequisite: BTEC 624D1
No credit will be given for this course unless both BTEC 624D1 and BTEC 624D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 625
Credit Weight: 2
Transcript Title: Biotech Research Project 4
Calendar Title: Biotech Research Project 4.
Description:
Student will prepare a report on the research experience and give a presentation.
Notes:
Prerequisite: BTEC 622.
Corequisites: BTEC 623, BTEC 624.
Restriction: M.Sc.(Applied) Biotechnology students.

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 650
Credit Weight: 3
Transcript Title: Therapeutic Antibody Design
Calendar Title: Therapeutic Antibody Design.
Description:
Principles and methodologies of structure-based molecular design, optimization,
and development of therapeutic monoclonal antibodies. Role in therapy and diagnosis; structural features of various types of antibodies; dissection of antibody-antigen interactions; in silico affinity maturation; manipulation of antigen specificity by point mutagenesis; using antibody Fc domain to modulate pharmacokinetics and effector functions; design of antibody conjugates carrying toxic payloads; engineering T-cells with chimeric antigen receptors; evaluation and improving antibody immunogenicity and aggregation; antibody humanization.

Notes:
Prerequisite: 400-level or higher level course in biochemistry and bioinformatics, or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

BTEC 691
Credit Weight: 3
Transcript Title: Biotechnology Practicum
Calendar Title: Biotechnology Practicum.
Description:
The cooperating employer and the instructor (or designate) will develop an individualized practicum experience program of at least 12 weeks duration for each student.
Notes:
Prerequisite: BTEC 620
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active
BUS1 532
Credit Weight: 3
Transcript Title: Bankruptcy and Insolvency
Calendar Title: Bankruptcy and Insolvency.
Description:
Federal bankruptcy law, including bankruptcy petitions, an individual's rights to a discharge, the nature of claims provable in bankruptcy, the rejection and assumption of executory contracts, the stay of proceedings and the avoidance powers of trustees and receiverships and workouts as alternatives to bankruptcy proceedings.
Notes:
Restriction(s): Not open to students who have taken BUS1 432.
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Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
BUS2 365
Credit Weight: 4
Transcript Title: Business Associations
Calendar Title: Business Associations.
Description:
An introduction to agency or mandate, partnership and co-operatives. The nature of corporate personality; the two systems of incorporation; constitutional problems; the raising and maintenance of a company's capital; the organs of the company; and protection of investors and minority shareholders.

Business Associations.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 365D1
Credit Weight: 2
Transcript Title: Business Associations
Calendar Title: Business Associations.
Description:
An introduction to agency or mandate, partnership and co-operatives. The nature of corporate personality; the two systems of incorporation; constitutional problems; the raising and maintenance of a company's capital; the organs of the company; and protection of investors and minority shareholders.

Notes:
Students must register for both BUS2 365D1 and BUS2 365D2.
No credit will be given for this course unless both BUS2 365D1 and BUS2 365D2 are successfully completed in consecutive terms
BUS2 365D1 and BUS2 365D2 together are equivalent to BUS2 365

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Inactive

BUS2 365D2
Credit Weight: 2
Transcript Title: Business Associations
Calendar Title: Business Associations.
Description:
See BUS2 365D1 for course description.

Notes:
Prerequisite: BUS2 365D1
No credit will be given for this course unless both BUS2 365D1 and BUS2 365D2 are successfully completed in consecutive terms
BUS2 365D1 and BUS2 365D2 together are equivalent to BUS2 365

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Inactive

BUS2 501
Credit Weight: 3
Transcript Title: Patent Theory & Policy
Calendar Title: Patent Theory and Policy.
Description:
Examination and critical assessment of the justifications of patent law; the tension between the public domain and private monopoly control; examination of international patent protection; international conventions touching on patent law, international trade instruments; examination of patents in relation to new technology: biotechnology, the Internet and business methods.
Notes:
Prerequisite: BUS2 463
Restriction: Not open to first year students
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 502
Credit Weight: 3
Transcript Title: Intellectual & Industrial Prop
Calendar Title: Intellectual and Industrial Property.
Description:
An examination of private relationships involving inventive and creative activity through an analysis of various conceptions of intellectual property regimes, in the context of public governance of public space, as well as the interrelationship between international and national law.
Notes:
Restrictions: Not open to first year students. Not open to students who have taken BUS2 463.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 503
Credit Weight: 3
Transcript Title: Business Organizations
Calendar Title: Business Organizations.
Description:
A treatment of specialized topics in the law of business organizations.
Notes:
Restriction: Not open to students who have taken BUS2 367.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 504
Credit Weight: 3
Transcript Title: Securities Regulation
Calendar Title: Securities Regulation.
Description:
An introduction to the structure of Canada's capital markets and a review of major features of securities regulation using the Quebec or Ontario scheme as background. An examination of the general regulatory framework for licensing of securities professionals, disclosure to investors and enforcement powers of regulators.
Notes:
Restriction: Not open to students who have taken BUS2 372.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 505
Credit Weight: 3
Transcript Title: Corporate Finance
Calendar Title: Corporate Finance.
Advanced issues in business and corporate law. Principles underlying decisions about a corporation's capital structure. Distinctive aspects and rights of corporate securities, including common shares, preferred shares.

Notes:
Restriction: Not open to students who have taken BUS2 464.

Corporate Finance.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 531
Credit Weight: 3
Transcript Title: Banking Law
Calendar Title: Banking Law.

Description:
Legal relationships between banks and the people who deal with banks in connection with the settlement of transactions by way of paper instruments and electronic means, including wire transfers, debit and credit cards, cheques, trade bills and letters of credit.

Banking Law. Banking Law.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 561
Credit Weight: 3
Transcript Title: Insurance
Calendar Title: Insurance.

Description:
The general principles of the insurance contract under the law of Quebec, with reference to the Ontario Insurance Act and the insurance acts of other common law provinces. This course provides an opportunity for immersion in the culture, epistemology and practices of the Civil Law Tradition.

Notes:
Restriction: Not open to students who have taken BUS2 461

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
BUSA 100
Credit Weight: 3
Transcript Title: Introduction to Management
Calendar Title: Introduction to Management.
Description: To introduce freshman students to the field of management and integrate them into the Desautels Faculty of Management.
Notes: Restriction: Restricted to U0 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 250
Credit Weight: 3
Transcript Title: Expressive Analysis for Mgmt
Calendar Title: Expressive Analysis for Management.
Description: To develop skills with respect to analysis, writing and presentation.
Notes: Restriction: Open to U0 and U1 B.Com. students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

BUSA 300
Credit Weight: 3
Transcript Title: Case Analysis and Presentation
Calendar Title: Case Analysis and Presentation.
Description: Integration of core knowledge and practice for preparing and presenting case studies, including professor coaching, preparation and presentation feedback, presentation skills, leadership skills, team building skills, analytical skills, logical thinking, debating, persuasive communications and cross discipline work.
Notes: Prerequisite: Permission of the instructor for non-Management students. Not open to students who have taken BUSA 499. Open to U2 and U3 students. Non-management students should have some background in Management related courses with a minimum GPA of B. Management students should have a minimum GPA of B in their Core courses to register in the course.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 356
Credit Weight: 3
Transcript Title: Management in Global Context
Calendar Title: Management in Global Context.
Description: Contemporary issues in international management illustrating unique challenges faced in IB, including legal and political foundations of international management, cross-cultural awareness, global mindset, global leadership, building effective international workforce and operations.
Notes: Corequisite: MGCR 382
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 364
Credit Weight: 3
Transcript Title: Business Law 1
Calendar Title: Business Law 1.
Description: An introduction to the legal system and basic legal principles affecting business. Tort negligence, contracts, forms of business organization, creditors' rights and bankruptcy.
Notes: Restriction: Open to U2 and U3 students.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 391
Credit Weight: 3
Transcript Title: International Business Law
Calendar Title: International Business Law.
Description: Introduction to the legal aspects of foreign trade and investment transactions. Forms and documentation of types of foreign trade contracts. Conflict avoidance, arbitration, and litigation arising from international transactions. Government regulation of foreign trade. Legal aspects of the international transfer of investments and technology. Conventions and institutions of international economic cooperation (e.g. GATT, ICC, IMF, etc.).
Notes: Corequisite: MGCR 382

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 394
Credit Weight: 3
Transcript Title: Managing in Asia
Calendar Title: Managing in Asia.
Description: Environmental aspects, Eastern value systems and distinct patterns of management in the Asia-Pacific region. Patterns of Chinese, Japanese, Korean, Taiwanese and other management philosophies, practices and styles. Interaction between these theories and practices and those of the West and Canada will be contrasted.
Notes: Corequisite: MGCR 382

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 395
Credit Weight: 3
Transcript Title: Managing in Europe
Calendar Title: Managing in Europe.
Description: Current social, economic and trade developments in the rapidly-evolving European
arena. Focus on both the expanding EU and integrating with emerging market economies and Central and Eastern Europe. Emphasis on managing in the expanded opportunities and challenges facing international and Canadian managers.

Notes:
Corequisite: MGCR 382
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 396
Credit Weight: 3
Transcript Title: Managing Internationally in QC
Calendar Title: Managing Internationally in Quebec.
Description:
Review of Quebec companies with an international presence and/or that are looking to expand internationally, international organizations expanding into Quebec, as well as Quebec companies that focus primarily on the local market. The government perspective: tools and levers that the government used to promote trade and investment; the organization perspective: start-ups, small- and medium-sized businesses, as well as large multinationals.
Notes:
Corequisite(s): MGCR 382
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 399
Credit Weight: 1
Transcript Title: Internship Project
Calendar Title: Internship Project.
Description:
Upon completion of the internship, students must submit a paper on the integration of the applied and academic aspects of their BCom courses and the Internship experience.
Notes:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 400
Credit Weight: 3
Transcript Title: Independent Studies in Mgmt
Calendar Title: Independent Studies in Management.
Description:
Research reading or field projects, permitting independent study under the guidance of a Faculty member. Projects to be arranged individually with instructors. A detailed student proposal must be submitted to the instructor and the Director during the first week of term.
Notes:
Prerequisite: U3 students only. CGPA of at least 3.00 required.
Restrictions: Open only to U3 students with at least a 3.00 CGPA; written permission must be obtained from the Director & B.Com. Program before registration.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
BUSA 401
Credit Weight: 3
Transcript Title: Independent St. in Int'l Bus.
Calendar Title: Independent Studies in International Business.
Description: Independent study in international business.
Notes: Note 1: Projects to be arranged individually with instructors. A detailed student proposal must be submitted to the instructor and the BCom Office during the first week of term.
Restriction(s): U3 students only. CGPA of at least 3.00 required.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 410
Credit Weight: 3
Transcript Title: Experiential Projects in Mgmt
Calendar Title: Experiential Projects in Management.
Description: Selected experiential learning projects in management.
Notes: Restrictions: Open to U2 and U3 BCom students.
1. The experiential learning activities of the course will be determined by the instructor and thus may differ from year to year and student to student.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 430
Credit Weight: 3
Transcript Title: Bus Climate: Devping Countries
Calendar Title: Business Climate in Developing Countries.
Description: An in-depth look at the business environment in emerging countries in Africa, South Asia and South-East Asia. Particular attention will be placed on issues confronting Canadian and other corporations - assessing the political risk, tackling corruption and managing cultural differences.
Notes: Corequisite(s): MGCR 382
Restriction(s): Not open to students who have taken BUSA 433 when topic was ¿Business Climate in Developing Countries¿.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 433
Credit Weight: 3
Transcript Title: Topics in Int'l Business 1
Calendar Title: Topics in International Business 1.
Description: Current topics in the area of international business. Topics will be selected from important current issues in international business.
Notes: Corequisite: MGCR 382
**Administering Faculty:** Desautels Faculty Management  
**Teaching Department:** Management  
**Status (catalog level):** Active

**BUSA 434**  
**Credit Weight:** 3  
**Transcript Title:** Topics in General Management  
**Calendar Title:** Topics in General Management.  
**Description:** Topics in management.  
**Notes:** Note: Topics vary from year to year  
Managing for Impact.

**BUSA 434D1**  
**Credit Weight:** 1.5  
**Transcript Title:** Topics in General Management  
**Calendar Title:** Topics in General Management.  
**Description:** See BUSA 434 for course description.  
**Notes:** Note: Topics vary from year to year
Students must register for both BUSA 434D1 and BUSA 434D2  
No credit will be given for this course unless both BUSA 434D1 and BUSA 434D2 are successfully completed in consecutive terms  
BUSA 434D1 and BUSA 434D2 together are equivalent to BUSA 434

**BUSA 434D2**  
**Credit Weight:** 1.5  
**Transcript Title:** Topics in General Management  
**Calendar Title:** Topics in General Management.  
**Description:** See BUSA 434 for course description.  
**Notes:** No credit will be given for this course unless both BUSA 434D1 and BUSA 434D2 are successfully completed in consecutive terms  
Note: Topics vary from year to year

**BUSA 435**  
**Credit Weight:** 3  
**Transcript Title:** Topics in Int'l Business 2  
**Calendar Title:** Topics in International Business 2  
**Description:** Current topics in the area of international business and management. Topics will be selected from important current issues in international business and management.  
**Notes:**
Corequisite(s): MGCR 382

Administering Faculty: Desautels Faculty Management

Teaching Department: Management

Status (catalog level): Active

BUSA 451D1

Credit Weight: 3

Transcript Title: Creating Impact Through Research

Calendar Title: Creating Impact Through Research.

Description:
The development of community impact initiative projects. Emphasis is placed on hands on experience related to integrated management and research activities aligned with the UN Sustainable Development Goals. Research projects are supervised by university professors.

Notes:
Students must register for both BUSA 451D1 and BUSA 451D2
No credit will be given for this course unless both BUSA 451D1 and BUSA 451D2 are successfully completed in consecutive terms
Only open to students enrolled in the Desautels Integrated Management Student Fellowship. Not open to students who have taken or are taking BUSA 450. Not open to students who have taken MSUS 434 or BUSA 434 when the topic was "Managing for Impact" or "Managing for Sustainability".

Administering Faculty: Desautels Faculty Management

Teaching Department: Management

Status (catalog level): Active

BUSA 451D2

Credit Weight: 3

Transcript Title: Creating Impact Through Research

Calendar Title: Creating Impact Through Research.

Description:
See BUSA 451D1 for course description.

Notes:
Students must register for both BUSA 451D1 and BUSA 451D2
No credit will be given for this course unless both BUSA 451D1 and BUSA 451D2 are successfully completed in consecutive terms
Only open to students enrolled in the Desautels Integrated Management Student Fellowship. Not open to students who have taken or are taking BUSA 450. Not open to students who have taken MSUS 434 or BUSA 434 when the topic was "Managing for Impact" or "Managing for Sustainability".

Prerequisite: BUSA 451D1

Administering Faculty: Desautels Faculty Management

Teaching Department: Management

Status (catalog level): Active

BUSA 465

Credit Weight: 3

Transcript Title: Technological Entrepreneurship

Calendar Title: Technological Entrepreneurship.

Description:
Concentrating on entrepreneurship and enterprise development, particular attention is given to the start-up, purchasing and management of small to medium-sized industrial firms. The focal point is in understanding the dilemmas faced by entrepreneurs, resolving them, developing a business plan and the maximum utilization of the financial, marketing and human resources that make for a successful operation.
BUSA 471
Credit Weight: 3
Transcript Title: AI Ethics for Business
Calendar Title: Artificial Intelligence Ethics for Business.
Description:
Frameworks to highlight model explainability, data anonymity and privacy, bias and fairness. Analytical tools that will allow managers to incorporate these ethical concerns during artificial intelligence development and deployment.
Notes:
Prerequisite: INSY 336
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 481
Credit Weight: 3
Transcript Title: Managing in North America
Calendar Title: Managing in North America.
Description:
Notes:
Corequisite: MGCR 382
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 497
Credit Weight: 3
Transcript Title: Internship in Int'l Business
Calendar Title: Internship in International Business.
Description:
Internship with an approved host institution.
Notes:
The internship will consist of a minimum of 150 hours of work over a period of 8 to 12 weeks at an approved host institution. The institution should be located either overseas or have an international focus. Major in International Management students who are enrolled in Minor Concentrations in the Faculty of Arts may complete Internship courses in the Faculty of Arts. Please consult the Faculty of Arts Internship Program section in the Undergraduate Programs Calendar or refer to the Arts Internships Website: www.mcgill.ca/arts-internships for requirements, including hours and weeks required and CGPA cut-offs.
Restriction(s): U2 and U3 Major in International Management students only
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
BUSA 498
Credit Weight: 6
Transcript Title: International Internship
Calendar Title: International Internship.
Description:
Internship with an approved host institution.
Notes:
Restriction: U2 and U3 B.Com.; Major in International Management students only
The internship will consist of a minimum of 300 hours of work over a period of 10-12 weeks at an approved host institution. The institution should be located either overseas or have an international focus. Major in International Management students who are enrolled in Minor Concentrations in the Faculty of Arts may complete Internship courses in the Faculty of Arts. Please consult the Faculty of Arts Internship Program section in the Undergraduate Programs Calendar or refer to the Arts Internships Website: www.mcgill.ca/arts-internships for requirements, including hours and weeks required and CGPA cut-offs.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

BUSA 499
Credit Weight: 3
Transcript Title: Case Analysis and Presentation
Calendar Title: Case Analysis and Presentation.
Description:
Integration of core knowledge and practice for preparing and presenting case studies, including professor coaching, preparation and presentation feedback, presentation skills, leadership skills, team building skills, analytical skills, logical thinking, debating, persuasive communications and cross discipline work.
Notes:
Prerequisite: BCom U1 Core
Restrictions: Open to U2 and U3 students with permission of instructor.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

BUSA 600
Credit Weight: 3
Transcript Title: Analytics Internship
Calendar Title: Analytics Internship.
Description:
An on-the-job experience in a corporation or organization supervised by an academic faculty member. The learning objectives of this course is to allow the student to put into practice elements that they have learned throughout the program, to gain formal work experience.
Notes:
Prerequisite(s): INSY 660, INSY 661, INSY 662, MGSC 660, MGSC 661, MGSC 662, ORGB 660, ORGB 661
Restriction(s): Students must obtain Instructor's or Academic Director approval in writing before registering to this course.
Topics of internship work will vary from employer to employer. Students will need to submit a work proposal to the instructor for approval prior to registering for this course.
Administering Faculty: Graduate Studies
Teaching Department: Management
**Status (catalog level):** Active

**BUSA 611**

**Credit Weight:** 1.5

**Transcript Title:** Indep. Studies in Analytics 1

**Calendar Title:** Independent Studies in Analytics 1.

**Description:**
Procuring of real data to perform a data-centric analysis for an organization or research institution. Under the mentorship of the instructor(s), students will focus their project deliverables on one of the following domains: data management, value proposition, analytic formulation, solution development or user application.

**Notes:**
Prerequisite(s): BUSA 693, INSY 660, INSY 661, INSY 662, MGSC 660, MGSC 661, MGSC 662, ORGB 660, ORGB 661
Restriction(s): Students must obtain Instructor’s approval in writing before registering to this course.
Before the instructor agrees to supervise the student, the student must submit a proposal form for approval.
Data Handling Agreement/ Non-Disclosure Agreement must be signed by students

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**BUSA 613**

**Credit Weight:** 3

**Transcript Title:** Indep. Studies in Analytics 2

**Calendar Title:** Independent Studies in Analytics 2.

**Description:**
Procuring of real data to perform a data-centric analysis for an organization or research institution. Under the mentorship of the instructor(s), students will focus their project deliverables on all of the following domains: data management, value proposition, analytic formulation, solution development and user application.

**Notes:**
Prerequisite(s): BUSA 693, INSY 660, INSY 661, INSY 662, MGSC 660, MGSC 661, MGSC 662, ORGB 660, ORGB 661
Restriction(s): Students must obtain Instructor’s approval in writing before registering to this course.
Before the instructor agrees to supervise the student, the student must submit a proposal form for approval.
Data Handling Agreement/ Non-Disclosure Agreement must be signed by students.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**BUSA 614**

**Credit Weight:** 3

**Transcript Title:** Govnce of Corp: Contemp Issues

**Calendar Title:** Governance of Corporation: Contemporary Issues.

**Description:**
Contemporary issues of governance of corporations from both management and law perspectives. The role of managers, investors and other stakeholders as well as the law and markets in governance of firm behaviour are explored.

**Notes:**
Prerequisite: MBA Core [MGCR 629; MGCR 650; MGCR 651; MGCR 652; MGCR 653]; Law
year I & II
Note: This course has 39 contact hours; is required for students in the joint Law-MBA degree programs; and is open to other students in the regular Law and MBA programs who have performed well academically and obtained permission to enroll from the instructors.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 620
Credit Weight: 3
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description:
Research reading or field projects, permitting independent study under the guidance of a Faculty member. Projects to be arranged individually with instructors.
Notes:
A detailed student proposal must be submitted to the instructor and approved by the Academic Director during the first week of term.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 626
Credit Weight: 3
Transcript Title: International Business Law
Calendar Title: International Business Law.
Description:
Introduction to the law regulating international business. The world’s three main legal systems and procedure of civil trials before their courts. The main business organizations used in world trade. Forms and documentation of various types of foreign trade contracts. Conflict avoidance, arbitration and international transaction litigation. Specific analysis of trade terms, international commercial transactions (export sales, marketing through distributors, licensing) and international conventions (tax treaties, industrial and intellectual property, GATT, etc.).
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 640
Credit Weight: 3
Transcript Title: Launching New Ventures
Calendar Title: Launching New Ventures.
Description:
Application of the knowledge acquired in graduate business education to the launching of a new product or service through venture capital funding.

Notes:

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 642
Credit Weight: 4
Transcript Title: Reflective Dimension Mgr Role
**Calendar Title:** Reflective Dimension Manager Role.

**Description:**
The importance of managers reflecting on their situations and contexts as a first step toward coming up with new ideas and becoming successful in their organizations.

**Notes:**
Restriction: Restricted to participants in McGill-HEC joint EMBA program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**BUSA 643**

**Credit Weight:** 4

**Transcript Title:** Collaborative Dimension Mgr

**Calendar Title:** Collaborative Dimension Manager.

**Description:**
Collaborative mindset and several types of collaboration in the work environment.

**Notes:**
Restriction: Restricted to participants in McGill-HEC joint EMBA program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**BUSA 644**

**Credit Weight:** 4

**Transcript Title:** Analytic Dimension of Mgr Role

**Calendar Title:** Analytic Dimension of Manager Role.

**Description:**
Managerial analysis and numerous perspectives to better understand the strengths and limitations of analysis in organizations.

**Notes:**
Restriction: Restricted to participants in McGill-HEC joint EMBA program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**BUSA 645**

**Credit Weight:** 4

**Transcript Title:** Worldly Dimension of Mgr Role

**Calendar Title:** Worldly Dimension of Manager Role.

**Description:**
Developing a worldly mindset and becoming successful at managing in different contexts by helping managers adapting, exploring and understanding management styles that may differ significantly from their own.

**Notes:**
Restriction: Restricted to participants in McGill-HEC joint EMBA program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**BUSA 646**

**Credit Weight:** 3

**Transcript Title:** Health Management Capstone

**Calendar Title:** Health Management Capstone.

**Description:**
An integrative capstone experience for students in the joint MD-MBA degree
program, this course reviews leadership roles at the intersection of medicine and management through real life projects at healthcare facilities in the Montreal area.

Notes:
Prerequisite(s): MGCR 629; MGCR 650; MGCR 651; MGCR 652; MGCR 653; BUSA 650, BUSA 698, BUSA 699
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 647D1
Credit Weight: 2
Transcript Title: Healthcare Mgmt Practicum
Calendar Title: Healthcare Management Practicum.
Description:
Preparation of a research proposal on a problem in any healthcare setting from problem statement to methodology. Implementation of the methodology, including sample selection, collecting data, and completing an appropriate data analysis. Drawing data-based conclusions and recommendations that address the problem statement. Presenting and defending the students' research process, including findings, and recommendations.
Notes:
Students must register for both BUSA 647D1 and BUSA 647D2
No credit will be given for this course unless both BUSA 647D1 and BUSA 647D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 647D2
Credit Weight: 2
Transcript Title: Healthcare Mgmt Practicum
Calendar Title: Healthcare Management Practicum.
Description:
For description see BUSA 647D1.
Notes:
Prerequisite: BUSA 647D1
No credit will be given for this course unless both BUSA 647D1 and BUSA 647D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 649
Credit Weight: 3
Transcript Title: Community Analytics Project
Calendar Title: Community Analytics Project.
Description:
Analytics project in a small-/medium-sized organization focusing on the application of the concepts of real-world analytics problems that organizations without large budgets deal with. Analytics project in a small-/medium-sized organization focusing on the application of the concepts of real-world analytics problems that organizations without large budgets deal with.
Notes:
Prerequisites: ORGB 660, INSY 660, MGSC 660, INSY 661, MGSC 661, INSY 662, MGSC 662, ORGB 661.
*Although this is a project course from May 3rd until August 31st, there will
only be three meeting times on June 1, 2 and 3rd.
**Web ADD only.
**No web drop allowed.
**Web withdrawal not applicable.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

** BUSA 650
Credit Weight: 6
Transcript Title: Internship
Calendar Title: Internship.
Description:
An on-the-job experience in a corporation or organization supervised by an academic faculty member.
Notes:
Prerequisite: MBA Core (MGCR 629, MGCR 650, MGCR 651, MGCR 652, and MGCR 653) or (MGCR 613, MGCR 614, MGCR 617, MGCR 618, MGCR 620, MGCR 621, MGCR 622, MGCR 628, MGCR 638, MGCR 639, MGCR 640, and MGCR 642).
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

** BUSA 650D1
Credit Weight: 3
Transcript Title: Internship
Calendar Title: Internship.
Description:
An on-the-job experience in a corporation or organization supervised by an academic faculty member.
Notes:
Prerequisite: MBA Core (MGCR 629, MGCR 650, MGCR 651, MGCR 652, and MGCR 653) or (MGCR 613, MGCR 614, MGCR 617, MGCR 618, MGCR 620, MGCR 621, MGCR 622, MGCR 628, MGCR 638, MGCR 639, MGCR 640, and MGCR 642).
Students must register for both BUSA 650D1 and BUSA 650D2
No credit will be given for this course unless both BUSA 650D1 and BUSA 650D2 are successfully completed in consecutive terms
BUSA 650D1 and BUSA 650D2 together are equivalent to BUSA 650
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

** BUSA 650D2
Credit Weight: 3
Transcript Title: Internship
Calendar Title: Internship.
Description:
See BUSA 650D1 for course description.
Notes:
Prerequisite: BUSA 650D1
No credit will be given for this course unless both BUSA 650D1 and BUSA 650D2 are successfully completed in consecutive terms
BUSA 650D1 and BUSA 650D2 together are equivalent to BUSA 650
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
BUSA 651
Credit Weight: 6
Transcript Title: Practicum
Calendar Title: Practicum.
Description:
A practical project which provides an opportunity to explore and recommend solutions to a business issue within a corporation or organization.
Notes:
Prerequisite: MBA Core (MGCR 629, MGCR 650, MGCR 651, MGCR 652, and MGCR 653) or (MGCR 613, MGCR 614, MGCR 617, MGCR 618, MGCR 620, MGCR 621, MGCR 622, MGCR 628, MGCR 638, MGCR 639, MGCR 640, MGCR 642).
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 651D1
Credit Weight: 3
Transcript Title: Practicum
Calendar Title: Practicum.
Description:
A practical project which provides an opportunity to explore and recommend solutions to a business issue within a corporation or organization.
Notes:
Prerequisite: MBA Core (MGCR 629, MGCR 650, MGCR 651, MGCR 652, and MGCR 653) or (MGCR 613, MGCR 614, MGCR 617, MGCR 618, MGCR 620, MGCR 621, MGCR 622, MGCR 628, MGCR 638, MGCR 639, MGCR 640, MGCR 642).
Students must register for both BUSA 651D1 and BUSA 651D2
No credit will be given for this course unless both BUSA 651D1 and BUSA 651D2 are successfully completed in consecutive terms
BUSA 651D1 and BUSA 651D2 together are equivalent to BUSA 651
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 651D2
Credit Weight: 3
Transcript Title: Practicum
Calendar Title: Practicum.
Description:
See BUSA 651D1 for course description.
Notes:
Prerequisite: BUSA 651D1
No credit will be given for this course unless both BUSA 651D1 and BUSA 651D2 are successfully completed in consecutive terms
BUSA 651D1 and BUSA 651D2 together are equivalent to BUSA 651
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 652
Credit Weight: 0
Transcript Title: Internship Experience
Calendar Title: Internship Experience.
Description:
An on-the-job experience in a corporation or organization supervised by an
academic faculty member.

Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

**BUSA 660**

Credit Weight: 3  
Transcript Title: CEO Insights  
Calendar Title: CEO Insights.  
Description: Interaction with CEOs of global MNEs, SMEs and family businesses. We hear the narrative of the CEO's life and times and then, using academic literature as a base, discuss issues faced by CEOs.

Notes: Restriction: Not open to students who have taken BUSA 692 (when topic was CEO Insights)  
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

**BUSA 663**

Credit Weight: 6  
Transcript Title: Reflective Mindset  
Calendar Title: Reflective Mindset.  
Description: Understanding personal management style- presenting to others, strengths and weaknesses, and leadership skills. Learning how to be thoughtful and reflective, to step back from always doing, to see familiar experiences from a new perspective.

Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

**BUSA 664**

Credit Weight: 3  
Transcript Title: Creating the Small Business  
Calendar Title: Creating the Small Business.  
Description: Focusing on the strategies and operating policies of small business enterprises, the course is designed for individuals who are considering entrepreneurial careers either as owners or managers. Provides a practical approach to the many problems likely to be encountered in the evolving life cycle of the small business.

Notes:  
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

**BUSA 665**

Credit Weight: 3  
Transcript Title: Managing the Small Enterprise  
Calendar Title: Managing the Small Enterprise.  
Description: The course is designed to teach students the concepts of entrepreneurship and the fundamentals of managing small businesses. It will explore, within the context of small entrepreneurial companies, the various interactions between financing, accounting, marketing, strategic planning, operations and human resources.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 666
Credit Weight: 5
Transcript Title: The Practice of Management
Calendar Title: The Practice of Management.
Description:
Examination of the philosophy, the history, and the practice of management, with introduction to personal competences necessary to carry out the complex role of general manager effectively. Latest developments in management theory and practice will be examined, in the context of the history, role of managers, and personal competence.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 667
Credit Weight: 6
Transcript Title: Analytic Mindset
Calendar Title: Analytic Mindset.
Description:
Providing an overview of today's principal health care organizations including health promoting hospitals, community agencies, health maintenance organizations, etc. Gaining insight into the operation of these organizations by analyzing their intrinsic similarities and differences. Introduction to the analytical tools used to manage specific organizations and to formal approaches that improve managerial effectiveness. Key concepts in financial management, people management and organizational strategy stimulate participants to diagnose the strengths and weaknesses of their own organization. Strategy, structure, sourcing and delivery are explored in a systematic way that allows participants to view the managing process as a melding of art, craft and science.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 668
Credit Weight: 5
Transcript Title: The Venture
Calendar Title: The Venture.
Description:
An introduction to the tools of the analytic disciplines such as managerial economics, accounting, statistics and finance. Students will apply tools to specific problems or activities within their organization, and complete an analysis that integrates these concepts and competences with a work situation.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 668J1
Credit Weight: 1.7
Transcript Title: The Venture
Calendar Title: The Venture.
Description:
An introduction to the tools of the analytic disciplines such as managerial
economics, accounting, statistics and finance. Students will apply tools to specific problems or activities within their organization, and complete an analysis that integrates these concepts and competences with a work situation.

Notes:
Students must also register for BUSA 668J2 and BUSA 668J3
No credit will be given for this course unless BUSA 668J1, BUSA 668J2 and BUSA 668J3 are all successfully completed in consecutive terms
BUSA 668J1, BUSA 668J2 and BUSA 668J3 together are equivalent to BUSA 668

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 668J2
Credit Weight: 1.7
Transcript Title: The Venture
Calendar Title: The Venture.
Description:
See BUSA 688J1 for course description.
Notes:
Prerequisite: BUSA 668J1
Students must also register for BUSA 668J3
No credit will be given for this course unless BUSA 668J1, BUSA 668J2 and BUSA 668J3 are all successfully completed in consecutive terms
BUSA 668J1, BUSA 668J2 and BUSA 668J3 together are equivalent to BUSA 668

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 668J3
Credit Weight: 1.6
Transcript Title: The Venture
Calendar Title: The Venture.
Description:
See BUSA 688J1 for course description.
Notes:
Prerequisite: BUSA 668J2
Students must also register for BUSA 668J3
No credit will be given for this course unless BUSA 668J1, BUSA 668J2 and BUSA 668J3 are all successfully completed in consecutive terms
BUSA 668J1, BUSA 668J2 and BUSA 668J3 together are equivalent to BUSA 668

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 670
Credit Weight: 5
Transcript Title: Managing Organizations
Calendar Title: Managing Organizations.
Description:
Provides a basic understanding of the key processes and configurations of organizing, alternate systems and structures. Examines practical and theoretical aspects of measurement, data classification, reporting, practical analysis, cost accounting, performance measurement and forecasting.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 670D1
Credit Weight: 2.5
Transcript Title: Managing Organizations
Calendar Title: Managing Organizations.
Description:
Provides a basic understanding of the key processes and configurations of organizing, alternate systems and structures. Examines practical and theoretical aspects of measurement, data classification, reporting, practical analysis, cost accounting, performance measurement and forecasting.
Notes:
Students must register for both BUSA 670D1 and BUSA 670D2
No credit will be given for this course unless both BUSA 670D1 and BUSA 670D2 are successfully completed in consecutive terms
BUSA 670D1 and BUSA 670D2 together are equivalent to BUSA 670
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 670D2
Credit Weight: 2.5
Transcript Title: Managing Organizations
Calendar Title: Managing Organizations.
Description:
See BUSA 670D1 for course description.
Notes:
Prerequisite: BUSA 670D1
No credit will be given for this course unless both BUSA 670D1 and BUSA 670D2 are successfully completed in consecutive terms
BUSA 670D1 and BUSA 670D2 together are equivalent to BUSA 670
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 671
Credit Weight: 3
Transcript Title: Managerial Experience
Calendar Title: Managerial Experience.
Description:
Experiencing the conceptual and theoretical material from the program and to witness the application to practice by observing a fellow participant at work, in as different a setting as possible (with regard to geography and culture as well as industry and job). Developing the skill of observation through reflecting, analyzing and reporting.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 672
Credit Weight: 3
Transcript Title: Managerial Exchange
Calendar Title: Managerial Exchange.
Description:
A field experience that exposes the student to critical managerial challenges faced by an organization other than his/her own. Requires application of concepts, and competences.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 672D1
Credit Weight: 1.5
Transcript Title: Managerial Exchange
Calendar Title: Managerial Exchange.
Description: A field experience that exposes the student to critical managerial challenges faced by an organization other than his/her own. Requires application of concepts, and competences.
Notes: Students must register for both BUSA 672D1 and BUSA 672D2
No credit will be given for this course unless both BUSA 672D1 and BUSA 672D2 are successfully completed in consecutive terms
BUSA 672D1 and BUSA 672D2 together are equivalent to BUSA 672
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 672D2
Credit Weight: 1.5
Transcript Title: Managerial Exchange
Calendar Title: Managerial Exchange.
Description: See BUSA 672D1 for course description.
Notes: Prerequisite: BUSA 672D1
No credit will be given for this course unless both BUSA 672D1 and BUSA 672D2 are successfully completed in consecutive terms
BUSA 672D1 and BUSA 672D2 together are equivalent to BUSA 672
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 672J1
Credit Weight: 1
Transcript Title: Managerial Exchange
Calendar Title: Managerial Exchange.
Description: A field experience that exposes the student to critical managerial challenges faced by an organization other than his/her own. Requires application of concepts, and competences.
Notes: Students must also register for BUSA 672J2 and BUSA 672J3
No credit will be given for this course unless BUSA 672J1, BUSA 672J2 and BUSA 672J3 are all successfully completed in consecutive terms
BUSA 672J1, BUSA 672J2 and BUSA 672J3 together are equivalent to BUSA 672
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 672J2
Credit Weight: 1
Transcript Title: Managerial Exchange
Calendar Title: Managerial Exchange.
Description:
See BUSA 672J1 for course description.

Notes:
Prerequisite: BUSA 672J1
Students must also register for BUSA 672J3
No credit will be given for this course unless BUSA 672J1, BUSA 672J2 and BUSA 672J3 are all successfully completed in consecutive terms
BUSA 672J1, BUSA 672J2 and BUSA 672J3 together are equivalent to BUSA 672

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 672J3
Credit Weight: 1
Transcript Title: Managerial Exchange
Calendar Title: Managerial Exchange.
Description:
See BUSA 672J1 for course description.

Notes:
Prerequisite: BUSA 672J2
No credit will be given for this course unless BUSA 672J1, BUSA 672J2 and BUSA 672J3 are all successfully completed in consecutive terms
BUSA 672J1, BUSA 672J2 and BUSA 672J3 together are equivalent to BUSA 672

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 675
Credit Weight: 5
Transcript Title: Managing Context
Calendar Title: Managing Context.
Description:
Examination of the role of "outsiders", and review of the competences needed by general managers to effectively manage contextual relationships such as with government bodies, capital markets, customers and suppliers. Also, examination of cultures, emerging issues in global management, and perspectives on ethics and human rights.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 676
Credit Weight: 6
Transcript Title: Worldly Mindset
Calendar Title: Worldly Mindset.
Description:
Focusing on the contextual "systems", exploring the various social institutions within the health care field and their interactions with economic, political and social forces. Increasing understanding of the dynamics of "system change". Seeking creative solutions based on an integrated, rather than a fragmented understanding of health care. Exploring in greater depth the interactions between economics and health, and the possibilities for leveraging change within complex systems.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
BUSA 677
Credit Weight: 6
Transcript Title: Collaborative Mindset
Calendar Title: Collaborative Mindset.
Description: Focus on managing relationships with patients, professionals, health advocates, administrators, the government, the media and many other groups. Skill development includes relationship-building, negotiating, stakeholder coordination, and knowledge management. The managing of professional relationships is emphasized, developing the advanced skills necessary to build and lead complex networks rather than simple organizations. The integration of knowledge from multiple disciplines and perspectives is also examined.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 678
Credit Weight: 6
Transcript Title: Catalytic Mindset
Calendar Title: Catalytic Mindset.
Description: Focusing on the achievement of change; successful health management cases are reviewed and the action implications of adaptive management are explored. Integrating and sustaining the approach to health; the notion of prevention and its applied dissemination; effective intervention within the policy environment; positive/negative outcomes of media exposure in health policy; and the notions of evaluation and accountability. Integrating and synthesizing the knowledge acquired during the preceding modules. Indepth consideration of the process of transformation leadership and what it means to lead comprehensively, analytically, collaboratively, contextually, catalytically and reflectively.
Notes: The online version of this course will contain both synchronous and asynchronous activities.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 680
Credit Weight: 5
Transcript Title: Managing People
Calendar Title: Managing People.
Description: Examination of different models of individual behaviour and of similarities and differences among them. Review of interpersonal competences, including ability to communicate, lead individuals and groups, create commitment, develop trust for strategic alliances, and coaching employees rather than directing them.
Notes: A fee of $500 will cover the cost of two meals per day, visits, and other program associated fees for the international module.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 684
Credit Weight: 3
Transcript Title: Analytics Study Trip
Calendar Title: Analytics Study Trip.
Description:
The course will be delivered through a combination of site (company) visits, guest lectures of top-level executives, as well as daily student reflections. It may also be combined with an analytics-related conference held in the location of the visit. Students will be required to study such practices in depth, complete a project related to organizational practice excellence in analytics and write a reflection paper.
Notes:
Prerequisite(s): ORGB 660, INSY 660, MGSC 660, INSY 661, MGSC 661, INSY 662, MGSC 662, ORGB 661.
**Web ADD only.
**No web drop allowed.
**Web withdrawal not applicable.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 685
Credit Weight: 5
Transcript Title: Managing Change
Calendar Title: Managing Change.
Description:
Examination of major kinds of organizational transformations that managers must deal with including starting a new business, turning around a moribund company, restructuring, downsizing, and regrouping businesses around the world. Review of new product/service development, and development of competences that help create flexible organizations.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 689
Credit Weight: 12
Transcript Title: Integrative Project
Calendar Title: Integrative Project.
Description:
An examination of a major managerial issue facing their organization. Working with supervisors in weekly exchange, they will prepare a report that integrates the relevant concepts from the program to explain and/or evaluate the issue and recommend a course of action.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 689D1
Credit Weight: 6
Transcript Title: Integrative Project
Calendar Title: Integrative Project.
Description:
An examination of a major managerial issue facing their organization. Working with supervisors in weekly exchange, they will prepare a report that integrates the relevant concepts from the program to explain and/or evaluate the issue and recommend a course of action.
Notes:
Students must register for both BUSA 689D1 and BUSA 689D2.
No credit will be given for this course unless both BUSA 689D1 and BUSA 689D2 are successfully completed in consecutive terms.
BUSA 689D1 and BUSA 689D2 together are equivalent to BUSA 689.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

**BUSA 689D2**
**Credit Weight:** 6
**Transcript Title:** Integrative Project
**Calendar Title:** Integrative Project.
**Description:**
See BUSA 689D1 for course description.
**Notes:**
Prerequisite: BUSA 689D1.
No credit will be given for this course unless both BUSA 689D1 and BUSA 689D2 are successfully completed in consecutive terms.
BUSA 689D1 and BUSA 689D2 together are equivalent to BUSA 689.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

**BUSA 689J1**
**Credit Weight:** 4
**Transcript Title:** Integrative Project
**Calendar Title:** Integrative Project.
**Description:**
An examination of a major managerial issue facing their organization. Working with supervisors in weekly exchange, they will prepare a report that integrates the relevant concepts from the program to explain and/or evaluate the issue and recommend a course of action.
**Notes:**
Students must also register for BUSA 689J2 and BUSA 689J3.
No credit will be given for this course unless BUSA 689J1, BUSA 689J2 and BUSA 689J3 are all successfully completed in consecutive terms.
BUSA 689J1, BUSA 689J2 and BUSA 689J3 together are equivalent to BUSA 689.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active

**BUSA 689J2**
**Credit Weight:** 4
**Transcript Title:** Integrative Project
**Calendar Title:** Integrative Project.
**Description:**
See BUSA 689J1 for course description.
**Notes:**
Prerequisite: BUSA 689J1.
Students must also register for BUSA 689J3.
No credit will be given for this course unless BUSA 689J1, BUSA 689J2 and BUSA 689J3 are all successfully completed in consecutive terms.
BUSA 689J1, BUSA 689J2 and BUSA 689J3 together are equivalent to BUSA 689.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Management
**Status (catalog level):** Active
BUSA 689J3
Credit Weight: 4
Transcript Title: Integrative Project
Calendar Title: Integrative Project.
Description:
See BUSA 689J1 for course description.
Notes:
Prerequisite: BUSA 689J2
No credit will be given for this course unless BUSA 689J1, BUSA 689J2 and BUSA 689J3 are all successfully completed in consecutive terms
BUSA 689J1, BUSA 689J2 and BUSA 689J3 together are equivalent to BUSA 689
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 690
Credit Weight: 3
Transcript Title: Advanced Topics in Mgmt 1
Calendar Title: Advanced Topics in Management 1.
Description:
Current topics in management.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 690D1
Credit Weight: 1.5
Transcript Title: Advanced Topics in Mgmt 1
Calendar Title: Advanced Topics in Management 1.
Description:
Current topics in management.
Notes:
Students must register for both BUSA 690D1 and BUSA 690D2
No credit will be given for this course unless both BUSA 690D1 and BUSA 690D2 are successfully completed in consecutive terms
BUSA 690D1 and BUSA 690D2 together are equivalent to BUSA 690
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 690D2
Credit Weight: 1.5
Transcript Title: Advanced Topics in Mgmt 1
Calendar Title: Advanced Topics in Management 1.
Description:
See BUSA 690D1 for course description.
Notes:
Prerequisite: BUSA 690D1
No credit will be given for this course unless both BUSA 690D1 and BUSA 690D2 are successfully completed in consecutive terms
BUSA 690D1 and BUSA 690D2 together are equivalent to BUSA 690
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
BUSA 691
Credit Weight: 3
Transcript Title: Advanced Topics in Mgmt 2
Calendar Title: Advanced Topics in Management 2.
Description: Current topics in management.
Notes: **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 692
Credit Weight: 3
Transcript Title: Advanced Topics in Mgmt 3
Calendar Title: Advanced Topics in Management 3.
Description: Current topics in management.
Notes: **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 693D1
Credit Weight: 3
Transcript Title: Anlytcs & Soln Consultng Pract
Calendar Title: Analytics and Solution Consulting Practicum.
Description: Data science teams working with a dedicated client to solve data/analytics challenges, including building an analytically-accurate and technically-automated solution.
Notes: Students must also register for BUSA 693D2
No credit will be given for this course unless both BUSA 693D1 and BUSA 693D2 are successfully completed
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 693D2
Credit Weight: 3
Transcript Title: Anlytcs & Soln Consultng Pract
Calendar Title: Analytics and Solution Consulting Practicum.
Description: For description see BUSA 693D1.
Notes: Prerequisite: BUSA 693D1
No credit will be given for this course unless both BUSA 693D1 and BUSA 693D2 are successfully completed
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 693N1
Credit Weight: 3
Transcript Title: Analytcs & Soln Consultng Pract
Calendar Title: Analytics and Solution Consulting Practicum.
Description:
Data science teams working with a dedicated client to solve data/analytics challenges, including building an analytically-accurate and technically-automated solution.
Notes:
Students must also register for BUSA 693N2
No credit will be given for this course unless both BUSA 693N1 and BUSA 693N2 are successfully completed in a twelve month period.
Prerequisite(s): INSY 660, INSY 661, INSY 662, MGSC 660, MGSC 661, MGSC 662, ORGB 660, ORGB 661.
**This course will be held on August 5, 7, 9, 12, 14, 16, 21, 22 & 30.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.
**No web drop allowed.
**Web withdrawal not applicable.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 693N2
Credit Weight: 3
Transcript Title: Analytcs & Soln Consultng Pract
Calendar Title: Analytics and Solution Consulting Practicum.
Description:
See BUSA 693N1 for description.
Notes:
Prerequisite: BUSA 693N1
No credit will be given for this course unless both BUSA 693N1 and BUSA 693N2 are successfully completed in a twelve month period

BUSA 694
Credit Weight: 12
Transcript Title: Final Master's Paper
Calendar Title: Final Master's Paper.
Description:
The Final Paper for the Master of Management degree. A scholarly/research assignment addressing a key issue and developing a significant understanding of it through reviewing literature as well as indepth studying of a concept or concepts and possibly the associated data, emphasizing conceptual ideas rooted in concrete applications.

BUSA 695
Credit Weight: 1.5
Transcript Title: Real-Time Decisions
Calendar Title: Real-Time Decisions.
Description:
An integrative perspective on the progressive stages of integrative understanding, from basic management skills looking inward to basic and specialized management skills looking both inward and outward. Emphasis on tools that focus on a holistic view of the organization, management of the enterprise from multiple perspectives and the resolution of conflicting viewpoints. Includes emphasis on sustainability, monetization strategy to enter the carbon offset market and a commercialization strategy for a biotech start-up with applications to the pharma industry.
Notes:
Restriction: MBA students only. Other Management Master's students require instructor approval.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

BUSA 698
Credit Weight: 3
Transcript Title: Health Care Systems
Calendar Title: Health Care Systems.
Description:
Overview and study of the Quebec, Canadian and international health care systems within the Canadian context. Brief historical overview and analysis of its major elements: Quebec Ministry of Social Affairs, Regional Health Councils, Social Service Centres, hospitals, etc. Critical issues examined: planning health care needs and resources, financing health care, labour relations, patterns of power and assessing quality of care.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
CACC 220
Credit Weight: 3
Transcript Title: Acct. Concepts for Managers
Calendar Title: Accounting Concepts for Managers.
Description:
This course covers concepts in managerial and financial accounting, develops an understanding of cost behaviour, budgeting and financial statements, and provides practice in financial decision-making skills.
Notes:
Prerequisite(s): CMSC 000
Restriction(s): Not open to students who have taken MGCR 211.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACC 520
Credit Weight: 3
Transcript Title: Accounting for Management
Calendar Title: Accounting for Management.
Description:
This course covers financial and managerial accounting. The course provides an understanding of the various financial statements as well as cost behaviour, cost/volume/profit relationships, budgets, responsibility accounting and relevant costing.
Notes:
Corequisite: CMS2 500
Accounting for Management
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACC 521
Credit Weight: 3
Transcript Title: Concepts of Financial Acct.
Calendar Title: Concepts of Financial Accounting.
Description:
This course examines accounting in a finance context, how to prepare, interpret, and make decisions based on accounting information. The course examines the process of recording and reporting accounting transactions, the elements of financial statements, and the preparation of various financial statements.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CACC 523
Credit Weight: 3
Transcript Title: Financial Asp of Health Care
Calendar Title: Financial Aspects of Health Care.
Description:
Methods of budgeting in the health care system and evaluating health care investment proposals. Problems of benefit measurement and optimal public investment in relation to fiscal and political constraints. This includes the role of governmental expenditures, the public debt, private contributions in the health care system.
Notes:
Corequisite: CHLC 500
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACC 523N1
Credit Weight: 1.5
Transcript Title: Financial Asp of Health Care
Calendar Title: Financial Aspects of Health Care.
Description:
Methods of budgeting in the health care system and evaluating health care
investment proposals. Problems of benefit measurement and optimal public
investment in relation to fiscal and political constraints. This includes the role
of governmental expenditures, the public debt, private contributions in the health
care system.
Notes:
Corequisite: CHLC 500
Students must also register for CACC 523N2
No credit will be given for this course unless both CACC 523N1 and CACC 523N2 are
successfully completed in a twelve month period.
CACC 523N1 and CACC 523N2 together are equivalent to CACC 523
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACC 523N2
Credit Weight: 1.5
Transcript Title: Financial Asp of Health Care
Calendar Title: Financial Aspects of Health Care.
Description:
See CACC 523N1 for description.
Notes:
Prerequisite: CACC 523N1
No credit will be given for this course unless both CACC 523N1 and CACC 523N2 are
successfully completed in a twelve month period.
CACC 523N1 and CACC 523N2 together are equivalent to CACC 523
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACC 621
Credit Weight: 3
Transcript Title: Concepts of Financial Acct.
Calendar Title: Concepts of Financial Accounting.
Description:
Examination of accounting in a finance context, specifically, how to prepare,
interpret, and make decisions based on accounting information, including the
process of recording and reporting accounting transactions, the elements
of financial statements, and the preparation of various financial statements.
Notes:
Not open to students who have taken CACC 521.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CACF 210
Credit Weight: 3
Transcript Title: Introductory Financial Acct
Calendar Title: Introductory Financial Accounting.
Description:
Introduction to basic financial statements. Topics include: moving through the accounting cycle and the notion of debit and credit; how to measure and report financial transactions and apply accounting theory; financial statement analysis and how to make better business decisions based on sound analysis.
Notes:
Corequisite: CMSC 000
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 215
Credit Weight: 3
Transcript Title: Introductory Managerial Acct
Calendar Title: Introductory Managerial Accounting.
Description:
Introduction to the accounting needs of managers. Topics include: key concepts and practices of management accounting and how they can be used to improve business performance and decision-making; types of cost-accounting systems; patterns of cost behaviour; problems related to cost determination, allocation, budgeting and control; and identifying, classifying and summarizing costs and expenses.
Notes:
Corequisites: CMSC 000 and CACF 210
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 305
Credit Weight: 3
Transcript Title: Info Sys Tools in Accounting
Calendar Title: Information System Tools in Accounting.
Description:
An introduction to the role of computer information systems in organizations as applied to accounting. Topics include: transaction processing fundamentals, major business processing cycles, internal control management systems, accounting information systems security and audit. Includes the use of accounting software.
Notes:
Corequisite: CACF 210 and CMSC 000
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 310
Credit Weight: 3
Transcript Title: Intermed Financial Reporting 1
Calendar Title: Intermediate Financial Reporting 1.
Description:
Course focuses on the reporting and analysis of financial information with statements and using key accounting principles. Topics include: interpretation of financial statements, examination of the notes that accompany the financial statements; recording and use of analytical tools such as financial-ratio analysis.
Notes:
Prerequisite(s): CMSC 000, CACF 210 and CACF 305
Corequisite: CMSC 101
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 325
Credit Weight: 3
Transcript Title: Intermed Financial Reporting 2
Calendar Title: Intermediate Financial Reporting 2.
Description:
An in-depth review of the Income Statement components including revenues, expenses, related-party transactions and other measures derived from the income statements. The course provides a deeper examination of the notes that accompany financial statements in annual reports and are integral to the understanding of the financial position of companies.
Notes:
Prerequisite: CACF 310 and CMSC 000
Corequisite: CMSC 101
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 340
Credit Weight: 3
Transcript Title: Corp Fin: Val Creatn & Dec-Mkg
Calendar Title: Corporate Finance: Value Creation and Decision-Making.
Description:
A brief overview of the fundamentals of finance from a corporation’s perspective. It provides the framework, concepts and tools for analyzing investments and financial decision-making by a corporation. Other topics include consideration of alternative methods to optimize the firm’s assets and added-value.
Notes:
Prerequisites: CMSC 000 and CACF 210
Corequisite: CMSC 101
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 341
Credit Weight: 3
Transcript Title: Taxation: Concepts & Regulations
Calendar Title: Taxation: Concepts and Regulations.
Description:
Focus on understanding the conceptual structure of the Income Tax Act and its administration. The course covers the key elements of taxation for individuals and corporations, including income from employment, business and property; capital gains and losses; shareholder benefits; tax planning; international taxation; deductions from income; and calculating taxable income and tax due.
Notes:
Prerequisites: CACF 210 and CMSC 000
Corequisites: CACF 305 and CMSC 101
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CACF 345
Credit Weight: 3
Transcript Title: Intermed Managerial Accounting
Calendar Title: Intermediate Managerial Accounting.
Description: The course explores the risk controls, costs, economic concepts and other considerations in performance management that needs to be taken into account when making operational decisions. Introduction to the most widely used methodologies in managing organization performance systems.
Notes: Prerequisite: CACF 215 and CMSC 000
Corequisite: CMSC 101
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 350
Credit Weight: 3
Transcript Title: AI:App in Accounting Practices
Calendar Title: Artificial Intelligence: Application in Accounting Practices.
Description: The course covers the topic of installing, using, producing and interpreting accounting reports using SAGE 50 and prepares students for the SAGE 50 certification. Other topics include survey of cloud computing, blockchain technology in business models, availability of big data and systems such as Oracle which allows for fast analysis of business data and its impact on financial records and audit process.
Notes: Prerequisite(s): CCCS 280, CACF 210
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 420
Credit Weight: 3
Transcript Title: Ethical Considerations&Pracs
Calendar Title: Ethical Considerations and Practices.
Description: An introduction to ethics, focusing on the application of ethical theories to controversial, contemporary issues using cases to analyze and simulate problem solving of the dilemmas faced by managers, employees and organizations, including topics on morality versus legality.
Notes: Prerequisite(s): CCLW 205
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 440
Credit Weight: 3
Transcript Title: Advanced Financial Reporting
Calendar Title: Advanced Financial Reporting.
Description: The course focuses on deeper inside complex business entities, partnerships, corporations and foreign currency transactions and how to analyze consolidated
financial statements. Topics include the six principal areas of advanced financial accounting: standard-setting in Canada and internationally, financial instruments and income tax allocation, long-term inter-corporate investments, consolidation, foreign currency translation and the translation and consolidation of foreign subsidiaries, and not-for-profit and public-sector accounting.

Notes:
Prerequisite: CACF 325

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 445
Credit Weight: 3
Description: Introduction to a variety of audit and assurance services provided by public accounting firms. Services include internal and operational auditing, external auditing, risk management, compliance, and internal control designs. Preparation of audit files and the standards required for documentation of audit work within Canada's generally accepted auditing standards will be covered.

Notes:
Prerequisite: CACF 325

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 450
Credit Weight: 3
Transcript Title: Financial & Working Capital Management.
Description: Traditional concepts of liquidity, collections, disbursements, company-bank relationships, cash forecasting, and short-term investing and financing, including the role of working capital management in the operations of a firm.

Notes:
Prerequisites: CACF 340 and CMSC 000
Corequisite: CMSC 101

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CACF 460
Credit Weight: 3
Transcript Title: Applied Personal & Corporate Tax
Calendar Title: Applied Personal and Corporate Taxation.
Description: Focus on the structure of the Canadian tax system, and the income tax filings to be completed by individuals and corporations outlining sources of taxable income and allowable deductions.

Notes:
Prerequisite: CACF 341 and CMSC 000
Corequisite: CMSC 101

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CACF 470

**Credit Weight:** 3  
**Transcript Title:** Pub Sector Financial MgmtPracs  
**Calendar Title:** Public Sector Financial Management Practices.  
**Description:** In-depth review of Generally Accepted Accounting Principles (GAAP) for non-profit and public sector entities. Topics include: application of accounting concepts in the not-for-profit and charities sector; overview of government (public sector) financial reporting standards including the basic process for setting up a not-for-profit and obtaining and maintaining charitable status; major financial reporting issues in not-for-profit organizations, approaches for measuring and valuing outputs, performance measurement in NFPOs and profit-oriented organizations, public and Indigenous communities; the concept of the public sector, and the Handbook applicable to each component of the public sector.  
**Notes:** Corequisite: CACF 440, Prerequisite: CACF 325  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

CACF 490

**Credit Weight:** 0  
**Transcript Title:** Capstone  
**Calendar Title:** Capstone.  
**Description:** This course requires students to apply the ACAF Method to a single comprehensive business case. Students will work through the case that deals with financial accounting, management accounting, finance, taxation, audit and information system issues.  
**Notes:** Prerequisite(s): CACF 345, CACF 350, CACF 420, CACF 440, CACF 445, CACF 460, CACF 470  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active
CAFT 600
Credit Weight: 3
Transcript Title: Couple & Fam Therapy Pre-Practic
Calendar Title: Couple and Family Therapy Pre-Practicum.
Description:
The development of practical skills in the area of couple and family therapy. Introduction to the concept of common factors in the psychotherapy process, assessment, foundational therapeutic competencies and the application of orientation specific empirically supported treatment competencies.
Notes:
Restriction(s): Restricted to students in the M.Sc.(Applied) Couple and Family Therapy program or with departmental permission.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 601
Credit Weight: 3
Transcript Title: Anti-Oppressive Practice: C&FT
Calendar Title: Anti-Oppressive Practice in Couple and Family Therapy.
Description:
The influence of race, culture, class, ethnicity, immigration, sexual orientation and gender in the assessment and treatment processes of couple and family therapy.
Notes:
Prerequisite(s) SWRK 622 and SWRK 610 and SWRK 623 or equivalent with permission of instructor.
Prerequisite: CAFT 600.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 602
Credit Weight: 3
Transcript Title: Advanced Assessment in C&FT
Calendar Title: Advanced Assessment in Couple and Family Therapy.
Description:
Integration of models of psychopathology and assessment into couple and family therapy. Focus will be on formulation of clinical impressions, differential systemic models of assessment, models and measures of systemic assessment and the intersection between classification of mental disorders, and relational/systemic formulations of mental health and mental illness.
Notes:
Prerequisite(s) CAFT 600 and SWRK 622 and SWRK 610 or equivalent with permission of instructor.
Restriction(s): Restricted to students in the M.Sc.(Applied) Couple and Family Therapy program or with departmental permission.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 603
Credit Weight: 3
Transcript Title: Res Methods for C&F Therapists
Calendar Title: Research Methods for Couple and Family Therapists.
Description:
Essential research skills for couple and family therapists, including evaluation
of clinical research literature and the basics in designing and analyzing qualitative and quantitative research with a particular emphasis on understanding the relevance of research for clinical practice.

Notes:
Restriction(s): Restricted to students in the M.Sc.(Applied) Couple and Family Therapy program or with departmental permission.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 604
Credit Weight: 3
Transcript Title: Sex, Sexuality,&Contemp Issues
Calendar Title: Sex, Sexuality, and Contemporary Issues.
Description:
Couples and families dealing with challenges living in contemporary society. Intersections between diversity and mental health, gender roles and identities, separation/divorce including custody and access, single parent, reconstituted and same sex families, inter-cultural families, legal and family issues in adoption and foster families.

Notes:
Prerequisite(s) CAFT 600, SWRK 622, SWRK 610, SWRK 623 or equivalent with permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 605
Credit Weight: 3
Transcript Title: Adv Fam Treat Across the Life
Calendar Title: Advanced Family Treatment Across the Lifespan.
Description:
Advanced practice in four core models of family therapy in relation to problems pertaining to children, adolescents, and adults from middle adulthood to later life; four clinical models. Clinical models include: EFT-humanistic, cognitive behavioural family therapy, psychodynamic and systemic family therapy.

Notes:
Prerequisite(s) SWRK 622 and SWRK 610 and SWRK 623 or equivalent with permission of instructor.
Prerequisite: CAFT 600

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 606
Credit Weight: 3
Transcript Title: Intern 1 in Couple&Fam Therapy
Calendar Title: Internship 1 in Couple and Family Therapy.
Description:
The first portion of the internship consists of direct contact with clients, clinical supervision, a didactic seminar series, psychotherapy rounds and complementary clinical activities. Students will participate in a series of seminars on advanced systemic and communication models. Students will participate in an integrative seminar designed to facilitate the integration of their advancing knowledge and clinical skills.

Notes:
Prerequisite(s): SWRK 660 or equivalent with permission of instructor.
SWRK 622 or equivalent with permission of instructor.

SWRK 610 or equivalent with permission of instructor.

The combination of three portions (CAFT 606, CAFT 611, CAFT 612) of the internship totals 500 hours of direct client contact, 100 hours individual supervision and 200 hours of clinical activities related to the practice of psychotherapy.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Social Work  
**Status (catalog level):** Active

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### CAFT 607

**Credit Weight:** 3  
**Transcript Title:** Legal, Ethical & Professional Issues in C & FT  
**Calendar Title:** Legal, Ethical and Professional Issues in C & FT.  
**Description:** Practicing in a legally-sound and ethically-informed manner as a couple and family therapist. Focus on ethical decision making processes, codes of ethical conduct, legislative and regulatory frameworks for practice, specific laws, regulations and standards.  
**Notes:** Prerequisite(s) SWRK 610 and SWRK 622 and SWRK 623 or equivalent with permission of instructor.  
Prerequisite(s): CAFT 600  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Social Work  
**Status (catalog level):** Active

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### CAFT 608

**Credit Weight:** 3  
**Transcript Title:** Human Development Across Lifespan: Couple & Family Therapy.  
**Calendar Title:** Human Development Across Lifespan: Couple & Family Therapy.  
**Description:** Advanced human development specific to the needs of a couple and family therapist. Focus on child, adolescence and early adult development, human sexuality, developmental impact of divorce, remarriage, birth, adoption and death on members of a family.  
**Notes:** Restriction(s): Restricted to students in the M.Sc. (Applied) Couple and Family Therapy program or with departmental permission.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Social Work  
**Status (catalog level):** Active

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### CAFT 609

**Credit Weight:** 3  
**Transcript Title:** Advanced Couple Therapy  
**Calendar Title:** Advanced Couple Therapy.  
**Description:** The four core modalities of couple therapy practice, EFT-humanistic, cognitive behavioural, psychodynamic and systemic, and communications, including common factors and models integrating the lens of gender, race, poverty and social class, and multiculturalism into couple treatment.  
**Notes:** Prerequisite(s) SWRK 623 or equivalent with permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

**CAFT 610**
Credit Weight: 3
Transcript Title: Biolog Foun of Behav for C&FTs
Calendar Title: Biological Foundations of Behaviour for C&FTs.
Description: The biology and neuropsychology of couple and family therapy. Neural physiology and pathophysiology, development, anatomy and physiology of the human sensory, motor, emotional, perceptual and cognitive systems, formulation of clinical impressions, and applications and limitations of biological and psychological treatments will be explored.

**CAFT 611**
Credit Weight: 6
Transcript Title: Intern 2 in Couple & Fam Therapy
Calendar Title: Internship 2 in Couple and Family Therapy.
Description: The second portion of the internship consists of direct contact with clients, clinical supervision, a didactic seminar series, psychotherapy rounds and complementary clinical activities. Students will participate in a series of seminars geared to providing further didactic training in the legal and organizational aspects and ethics and deontology as applied to specific case examples being experienced by students in their internship experiences. Also, participation in an integrative seminar designed to facilitate the integration of advancing knowledge and clinical skills.

**CAFT 612**
Credit Weight: 6
Transcript Title: Intern 3 in Couple & Fam Therapy
Calendar Title: Internship 3 in Couple and Family Therapy.
Description: The third portion of the internship consists of direct contact with clients, clinical supervision, a didactic seminar series, psychotherapy rounds and complementary clinical activities. In this course, students will participate in a series of seminars provided by faculty experts on the four models of treatment: (Humanistic, Systemic) cognitive behavioural couple and family therapy (CBMT), attachment focused and mentalizing based therapy for couples and families (Psychodynamic) and systemic family therapy (Systemic). Students will participate in an integrative seminar designed to facilitate the integration of their advancing knowledge and clinical skills.

Notes: **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

**Administering Faculty:** Graduate Studies
**Teaching Department:** Social Work
**Status (catalog level):** Active
CAFT 613
Credit Weight: 3
Transcript Title: CFT Internal Practicum
Calendar Title: Couple and Family Therapy Internal Practicum.
Description: This course will provide opportunity for the development of practice skills in the area of Couple and Family Therapy within an internal clinic setting to prepare students for integration into external clinical internship sites. Students will participate, as observers and clinicians, in clinical research, and clinical practice with members of the community, within the McGill Couple and Family Therapy Clinic. The professor, within the internal clinic, will provide opportunities for in-depth clinical training and supervision.
Notes:
Prerequisites: CAFT600
Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 614
Credit Weight: 6
Transcript Title: Supervision: Couple&Fam Thrpy
Calendar Title: Supervision in Couple and Family Therapy.
Description: Couple and family therapy supervision skills, integrating methods from the fields of supervision teaching and learning.
Notes:
Prerequisites: Permission of the instructor.
Restrictions: Open to the following students: graduates of the M.Sc. (Applied) in Couple and Family Therapy; Non-Thesis program who are also licensed with the OTSTCFT and OPQ. Graduates of other Masters programs in Psychotherapy/Couple and Family Therapy currently licensed by OTSTCFT and/or OPQ with 5 years of clinical experience.
Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 614D1
Credit Weight: 3
Transcript Title: Supervision: Couple&Fam Thrpy
Calendar Title: Supervision in Couple and Family Therapy.
Description: Couple and family therapy supervision skills, integrating methods from the fields of supervision teaching and learning.
Notes:
Prerequisites: Permission of the instructor.
Restrictions: Open to the following students: graduates of the M.Sc. (Applied) in Couple and Family Therapy; Non-Thesis program who are also licensed with the OTSTCFT and OPQ. Graduates of other Masters programs in Psychotherapy/Couple and Family Therapy currently licensed by OTSTCFT and/or OPQ with 5 years of clinical experience.
Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

CAFT 614D2
Credit Weight: 3  
Transcript Title: Supervision: Couple & Fam Thrpy  
Calendar Title: Supervision in Couple and Family Therapy.  
Description:  
Couple and family therapy supervision skills, integrating methods from the fields of supervision teaching and learning.  
Notes:  
Prerequisites: Permission of the instructor.  
Restrictions: Open to the following students: graduates of the M.Sc. (Applied) in Couple and Family Therapy; Non-Thesis program who are also licensed with the OTSTCFT and OPQ. Graduates of other Masters programs in Psychotherapy/Couple and Family Therapy currently licensed by OTSTCFT and/or OPQ with 5 years of clinical experience.  
Administering Faculty: Graduate Studies  
Teaching Department: Social Work  
Status (catalog level): Active
CANC 601
Credit Weight: 1
Transcript Title: Patient Engagement in Cancer Research
Calendar Title: Patient Engagement in Cancer Research.
Description:
An examination of the historical and current aspects of patient involvement in research and the evolution from passive subjects to engaged patients and collaborators in research.
Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 602
Credit Weight: 1
Transcript Title: Epidemiology in Cancer
Calendar Title: Epidemiology in Cancer.
Description:
Introduction to epidemiological methods to study cancer burden, causes and evaluation of preventive strategies including topics of confounding, interaction, mediation, and measures of association.
Notes:
Restrictions: Not open to students who have taken or are taking EPIB 671.
1. Students should have a working knowledge of R; contact the course instructor in advance of course registration for details
Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 603
Credit Weight: 1
Transcript Title: Mouse Models in Cancer
Calendar Title: Mouse Models in Cancer.
Description:
Introduction to the use of mouse models to study cancer biology and the design of genetically engineered mouse models.
Notes:
1. Enrolment is limited to a maximum of 8 students. Students MUST have taken McGill University Animal Compliance Office Module 1 Workshop AND complete online Animal Ethics Course prior to taking this course. Students should note that the mouse-handling workshop is sometimes oversubscribed so students must plan well in advance to sign up for the workshop. This course is not a replacement for the ACO workshop but rather is in conjunction with the ACO workshop to enhance basic skills.
Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 604
Credit Weight: 1
Transcript Title: Cancer Genomics Data Analyses
Calendar Title: Cancer Genomics Data Analyses.
Description:
An introduction to the basic principles underlying genome-wide analysis of high-dimensional genomic data such as gene expression, epigenetic, or proteomic or data through the lens of RNA-seq expression data to illustrate concepts such as assessing data quality, the need for normalization, the impact of filtering, and testing for differential expression.
Notes:
Prerequisites: BIOL 200, BIOC 212, ANAT 212 or permission of the instructor.

1. An understanding of transcription, translation, and how RNA-seq data measure transcription is required.

Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 605
Credit Weight: 1
Transcript Title: Cancer Cargving: Psychscl Issues
Calendar Title: Cancer Caregiving: Psychosocial Issues.
Description: An examination in the psychosocial effects of cancer on patients and caregivers, with focus on the responsibilities of caregivers and the consequences of this role.

Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 606
Credit Weight: 1
Transcript Title: Tumour Microenvironment
Calendar Title: Tumour Microenvironment.
Description: Approaches to investigating and dissecting the tumour microenvironment, including exploration and analysis of this environment.

Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 607
Credit Weight: 1
Transcript Title: Cancer Immunotherapies
Calendar Title: Cancer Immunotherapies.
Description: An examination of the different immunotherapies in use and being developed for cancer treatment.

Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 608
Credit Weight: 1
Transcript Title: Oncometabolism
Calendar Title: Oncometabolism.
Description: An examination of the role metabolism plays in cancer progression, metastasis, and resistance to treatment.

Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 621D1
Credit Weight: 2
Transcript Title: Seminars in Cancer Sciences
Calendar Title: Seminars in Cancer Sciences.
Description: Exposure to broad range of cancer research disciplines, including: cancer biology, cancer therapeutics and care, cancer epidemiology and global cancer control, and psychosocial oncology.
Notes:
1. Language of instruction is English
No credit will be given for this course unless both CANC 621D1 and CANC 621D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 621D2
Credit Weight: 2
Transcript Title: Seminars in Cancer Sciences
Calendar Title: Seminars in Cancer Sciences.
Description: See CANC 621D1 for course description.
Notes:
1. Language of instruction is English
Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active

CANC 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description: An examination that must be passed by all doctoral students to continue in the doctoral program in cancer sciences.
Notes:
Restriction(s): Only open to students registered in the Ph.D. in Cancer Sciences interdisciplinary program.
Administering Faculty: Graduate Studies
Teaching Department: Goodman Cancer Institute
Status (catalog level): Active
CANS 200
Credit Weight: 3
Transcript Title: Understanding Canada
Calendar Title: Understanding Canada.
Description:
Key cultural, economic, social and political institutions and their evolution over time.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 300
Credit Weight: 3
Transcript Title: Topics in Canadian Studies 1
Calendar Title: Topics in Canadian Studies 1.
Description:
An historical explanation of the Canadian experience of nationalism from the Patriotes to the First Nations, with reference to politics, economics, iconography, ideology and multicultural experience.
Notes:
Prerequisite: CANS 200 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 301
Credit Weight: 3
Transcript Title: Topics in Canadian Studies 2
Calendar Title: Topics in Canadian Studies 2.
Description:
An interdisciplinary course on a Canadian Studies topic.
Notes:
Prerequisite: CANS 200 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 306
Credit Weight: 3
Transcript Title: Topics in Indigenous Pub Affrs
Calendar Title: Topics in Indigenous Public Affairs.
Description:
Past and present achievements and concerns within Indigenous societies across Canada.
Notes:
Restriction: Not open to students who have taken Issues in Native Studies as a CANS topics course.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 307
Credit Weight: 3
Transcript Title: Canada in the World
Calendar Title: Canada in the World.
Description:
Canada's interaction with other countries and regions.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Institute for Study of Canada

**Status (catalog level):** Active

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**CANS 308**

**Credit Weight:** 3

**Transcript Title:** Sex and Gender in Canada

**Calendar Title:** Sex and Gender in Canada.

**Description:**

Sex and gender in Canada in the past and the present.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Institute for Study of Canada

**Status (catalog level):** Active

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**CANS 310**

**Credit Weight:** 3

**Transcript Title:** Cdn Cultures: Context&Issues

**Calendar Title:** Canadian Cultures: Context and Issues.

**Description:**

This course traces the history of Canadian cultures from the middle of the 19th century to the present. It focuses on the diversity of Canadian cultural identities through literature, drama, art and the mass media.

**Notes:**

Restriction: Not open to students who have taken CANS 202

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Institute for Study of Canada

**Status (catalog level):** Active

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**CANS 311**

**Credit Weight:** 3

**Transcript Title:** Topics in Cdn Public Affairs 1

**Calendar Title:** Topics in Canadian Public Affairs 1.

**Description:**

An interdisciplinary selected topic dealing with Canadian public affairs.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Institute for Study of Canada

**Status (catalog level):** Active

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**CANS 312**

**Credit Weight:** 3

**Transcript Title:** Topics in Cdn Public Affairs 2

**Calendar Title:** Topics in Canadian Public Affairs 2.

**Description:**

An interdisciplinary selected topic dealing with Canadian public affairs.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Institute for Study of Canada

**Status (catalog level):** Active

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**CANS 315**

**Credit Weight:** 3

**Transcript Title:** Indigenous Art and Culture

**Calendar Title:** Indigenous Art and Culture.

**Description:**

An examination of the work of selected First Nations, M�tis and Inuit artists in Canada.
Notes:
Restriction(s): Not open to students who have taken or are taking ARTH 315 or have taken "Aboriginal Art and Culture" as a CANS or ARTH topics course.

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 401
Credit Weight: 3
Transcript Title: Canadian Studies Seminar 1
Calendar Title: Canadian Studies Seminar 1.
Description:
An interdisciplinary seminar on a Canadian Studies topic.
Notes:
Topic will vary from year to year depending on staff interests.
Prerequisite: CANS 200 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 402
Credit Weight: 3
Transcript Title: Canadian Studies Seminar 2
Calendar Title: Canadian Studies Seminar 2.
Description:
An interdisciplinary seminar on a Canadian Studies topic.
Notes:
Prerequisite: CANS 200 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 404
Credit Weight: 3
Transcript Title: Canadian Studies Seminar 4
Calendar Title: Canadian Studies Seminar 4.
Description:
An interdisciplinary seminar on a Canadian Studies topic.
Notes:
Prerequisite: CANS 200 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 405
Credit Weight: 3
Transcript Title: Canadian Studies Seminar 5
Calendar Title: Canadian Studies Seminar 5.
Description:
An interdisciplinary seminar on a Canadian Studies topic.
Notes:
Prerequisite: CANS 200 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active
CANS 406
Credit Weight: 3
Transcript Title: Canadian Studies Seminar 6
Calendar Title: Canadian Studies Seminar 6.
Description: An interdisciplinary seminar on a Canadian Studies topic.
Notes: Prerequisite: CANS 200 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 408
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description: Supervised reading on an explicitly multidisciplinary topic under the direction of a professor working in the field of Canadian Studies.
Notes: Restrictions: Reserved for final-year students enrolled in the Canadian Studies major or minor concentration. Permission must be obtained from the Canadian Studies advisor and from the supervising professor before registration.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 412
Credit Weight: 3
Transcript Title: Canada and Americas Seminar
Calendar Title: Canada and Americas Seminar.
Description: Canada and the Americas.
Notes: Prerequisites: Cans 200 or permission of the Instructor
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 413
Credit Weight: 3
Transcript Title: Canada and Quebec Seminar
Calendar Title: Canada and Quebec Seminar.
Description: Comparison of Canada and Quebec.
Notes: Prerequisites: Cans 200 or permission of the Instructor
Note: A reading knowledge of French is required
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 415
Credit Weight: 3
Transcript Title: Black Canada
Calendar Title: Black Canada.
Description:
The significant presence of people of African descent in Canada that dates back to the 17th century. Migration and immigration will be situated as part of the renewal of Canadian identity while examining the intellectual, historical and political presence of people of African descent.
Notes:
Restriction: Not open to students who have taken CANS 401 when topic was "Caribbean Canadians" or "Black Diaspora".
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 420
Credit Weight: 3
Transcript Title: Shaping Public Affairs: Canada
Calendar Title: Shaping Public Affairs in Canada.
Description:
Exploration of key aspects of public affairs and leadership in Canada.
Notes:
Prerequisite: CANS 200 or permission of instructor.
Restriction: Open only to final year students. Not open to students who have taken CANS 501.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 480
Credit Weight: 3
Transcript Title: Honours Thesis 1
Calendar Title: Honours Thesis 1.
Description:
Supervised research for and preparation of the Honours Thesis Proposal.
Notes:
Restriction: Students in the Honours Program in Canadian Studies.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 481
Credit Weight: 3
Transcript Title: Honours Thesis 2
Calendar Title: Honours Thesis 2.
Description:
Supervised writing of Honours thesis.
Notes:
Prerequisite: CANS 480.
Restriction: Students in the Honours Program in Canadian Studies.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 492
Credit Weight: 3
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description:
Honours thesis research to be carried out under the supervision of a faculty member.

Notes:
Restriction: Open to students in the Joint Honours Program.

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 492D1
Credit Weight: 1.5
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description:
Honours thesis research to be carried out under the supervision of a faculty member.

Notes:
Restriction: Open to students in the Joint Honours Program.
Students must register for both CANS 492D1 and CANS 492D2.
No credit will be given for this course unless both CANS 492D1 and CANS 492D2 are successfully completed in consecutive terms.
CANS 492D1 and CANS 492D2 together are equivalent to CANS 492.

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 492D2
Credit Weight: 1.5
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description:
See CANS 492D1 for course description.

Notes:
Prerequisite: CANS 492D1
No credit will be given for this course unless both CANS 492D1 and CANS 492D2 are successfully completed in consecutive terms.
CANS 492D1 and CANS 492D2 together are equivalent to CANS 492.

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

CANS 499
Credit Weight: 3
Transcript Title: Internship - Canadian Studies
Calendar Title: Internship - Canadian Studies.
Description:
Internship with an approved host institution or organization.

Notes:
Open to U2 and U3 students after completing CANS 200, 30 credits of a 90 degree or 45 credits of a 96-120 credit degree, and a minimum CGPA of 3.0. Students may register in the Fall or Winter semester for Summer internships.
Prerequisites: CANS 200 and permission of program Director.

Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active
CATH 200
Credit Weight: 3
Transcript Title: Introduction to Catholicism
Calendar Title: Introduction to Catholicism.
Description:
This course offers an exploration of the Roman Catholic tradition in its intellectual, religious, moral, and cultural dimensions. It provides an interdisciplinary study of the ways in which Catholicism has shaped Western civilization.
Notes:
An engaging exploration of the Catholic tradition in its historical, intellectual, religious, moral, and cultural dimensions.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 220
Credit Weight: 3
Transcript Title: Select Topics:Catholic Studies
Calendar Title: Selected Topics in Catholic Studies.
Description:
A review of selected topics in Catholic studies.
Notes:
Topics vary by year.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 310
Credit Weight: 3
Transcript Title: Catholic Intellectual Trad
Calendar Title: Catholic Intellectual Traditions.
Description:
This course examines Catholic intellectual perspectives, schools of thought, and major thinkers, with focus on topics such as God, faith and reason, the human person, history, culture and community. Will also examine the interaction between Catholicism and other perspectives and traditions.
Notes:
Prerequisites: CATH 200, RELG 320, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 315
Credit Weight: 3
Transcript Title: Catholicism and Ethics
Calendar Title: Catholicism and Ethics.
Description:
A critical examination of the evolving engagement of Catholicism with contemporary ethical issues.
Notes:
Prerequisite: CATH 200, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 320
Credit Weight: 3
Transcript Title: Catholicism and Modernity
Calendar Title: Catholicism and Modernity.
Description:
An exploration of major historical developments in modern Catholicism. The course will examine broad historical trends as well as regional contexts.
Notes:
Prerequisite: CATH 200, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 325
Credit Weight: 3
Transcript Title: Mystery and the Imagination
Calendar Title: Mystery and the Imagination.
Description:
An exploration of Catholic perspectives on faith, reason, meaning and mystery through literature, art, music, and film.
Notes:
Restriction: Not open to those who have taken 190-370A in 2001-02 or CATH 370 in 2002-03.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 330
Credit Weight: 3
Transcript Title: Catholicism in a Glob. Context
Calendar Title: Catholicism in a Global Context.
Description:
An exploration of Catholicism as a global phenomenon through case studies of its multiple expressions in Europe, Asia, Africa, and the Americas. Topics include transnational Catholic movements and interreligious engagement.
for Fall 2023: Catholicism in a Global Context: African Christianity. This course examines the faith, practices, and lived experiences of African Christians—both in their historic and contemporary dimensions, within Africa and the African diaspora. The goal is to help students to dialogue with this dynamic non-Western current in World Christianity. The course is divided into three modules that deals with (1) the history, (2) the landscape, and (3) the challenges of Christianity in Africa. Cross-listed with RELG 318.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 335
Credit Weight: 3
Transcript Title: Confessions of Saint Augustine
Calendar Title: Confessions of Saint Augustine.
Description:
A close reading of Augustine's monumental Confessions— the odyssey of a restless soul seeking rest in God alone (conf. 1.1.)
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
CATH 340
Credit Weight: 3
Transcript Title: Catholicism and Public Policy
Calendar Title: Catholicism and Public Policy.
Description:
An examination of Catholic social thought, including intellectual and institutional engagement with a wide range of key public policy issues in spheres such as politics, law, economics, diplomacy, and international development.
Notes:
Prerequisite: CATH 200, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 370
Credit Weight: 3
Transcript Title: Topics in Catholic Studies
Calendar Title: Topics in Catholic Studies.
Description:
A review of selected topics in Catholica studies. Topics vary by year.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 375
Credit Weight: 3
Transcript Title: Topics in Catholic Theology
Calendar Title: Topics in Catholic Theology.
Description:
A review of selected topics in Catholic Theology.
Notes:
Topics vary by year.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

CATH 460
Credit Weight: 3
Transcript Title: Catholic Studies Seminar
Calendar Title: Catholic Studies Seminar.
Description:
A research seminar on a major theme and/or thinker. The seminar will evolve around primary source materials.
Notes:
Prerequisite: CATH 200, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
CBUS 005D1
Credit Weight: 7
Transcript Title: Special Topics in Health Care
Calendar Title: Special Topics in Health Care.
Description:
Specialized course covering selected topics and contemporary developments in the area of health care. Topics selected from current issues or themes in the field.
Notes:
Students must register for both CBUS 005D1 and CBUS 005D2
No credit will be given for this course unless both CBUS 005D1 and CBUS 005D2 are successfully completed in consecutive terms
CBUS 005D1 and CBUS 005D2 together are equivalent to CBUS 005
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CBUS 005D2
Credit Weight: 7
Transcript Title: Special Topics in Health Care
Calendar Title: Special Topics in Health Care.
Description:
Specialized course covering selected topics and contemporary developments in the area of health care. Topics selected from current issues or themes in the field.
Notes:
Prerequisite: CBUS 005D1
No credit will be given for this course unless both CBUS 005D1 and CBUS 005D2 are successfully completed in consecutive terms
CBUS 005D1 and CBUS 005D2 together are equivalent to CBUS 005
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CBUS 008D1
Credit Weight: 7
Transcript Title: Fundamentals of Org Behaviour
Calendar Title: Fundamentals of Organizational Behaviour.
Description:
This course will provide an overview of the fundamental concepts, theories, and approaches in organizational behaviour. Focus is on individual and group levels of behaviour in organizations. Topics covered include: perception, learning, personality, motivation, leadership, group behaviour, decision-making, conflict management, negotiation, and organizational goals and structure.
Notes:
Students must register for both CBUS 008D1 and CBUS 008D2
No credit will be given for this course unless both CBUS 008D1 and CBUS 008D2 are successfully completed in consecutive terms.
CBUS 008D1 and CBUS 008D2 together are equivalent to CBUS 008
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CBUS 008D2
Credit Weight: 7
Transcript Title: Fundamentals of Org Behaviour
Calendar Title: Fundamentals of Organizational Behaviour.
Description:
See CBUS - 008D1 for description.
Notes:
Prerequisite: CBUS 008D1
No credit will be given for this course unless both CBUS 008D1 and CBUS 008D2 are successfully completed in consecutive terms

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CBUS 208D1
Credit Weight: 8
Transcript Title: Facilitation for Results
Calendar Title: Facilitation for Results.
Description:
Principles for effective facilitation largely developed and tested in the real business world, including tools and techniques at our disposal to become effective facilitators. Topics include: best practices, strategic planning, team dynamics, decision making strategies, project and requirements facilitation, problem identification and solving, focus group facilitation, workshop facilitation.
Notes:
Through interactive exercises, simulations, video segments, theory and practical applications, facilitating any type of session will become simplified. This course is suited for anyone involved in facilitating group interaction: team leaders, supervisors, managers, community practitioners, teachers, adult educators, marketing, management and quality consultants.
Students must register for both CBUS 208D1 and CBUS 208D2
No credit will be given for this course unless both CBUS 208D1 and CBUS 208D2 are successfully completed in consecutive terms

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CBUS 208D2
Credit Weight: 8
Transcript Title: Facilitation for Results
Calendar Title: Facilitation for Results.
Description:
See CBUS 208D1 for course description.
Notes:
Prerequisite: CBUS 208D1
No credit will be given for this course unless both CBUS 208D1 and CBUS 208D2 are successfully completed in consecutive terms

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CBUS 217
Credit Weight: 3.5
Transcript Title: Dynamic Pricing & Revenue Mgmt
Calendar Title: Dynamic Pricing and Revenue Management.
Description:
This course focuses on airline passenger demand; seat inventory control; spoilage and spillage management; expected Marginal Seat Revenue (EMSR); scheduling and capacity adjustments; low-cost carrier revenue management. Through business cases and practical examples, participants will examine the key factors affecting airline performance and the revenue management methods used to measure and control them.
Notes:
24 hours of classroom instruction plus 10 hours of readings and assignments

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CBUS 218
Credit Weight: 5
Transcript Title: Airport Commercial Management
Calendar Title: Airport Commercial Management.
Description:
Modern airports are self-sustained complex businesses with revenue targets. The global airport infrastructure will need an investment of $350 billion USD for improvements and expansion in the next decade. Since most governments cannot finance this massive development, airports must become more commercially driven to meet the demand.

Notes:
35 hours of classroom instruction plus 15 hours of readings and assignments

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CBUS 219
Credit Weight: 3.5
Transcript Title: Fuel Efficiency & Conservation
Calendar Title: Fuel Efficiency and Conservation.
Description:
This course focuses on the following areas: efficient fuel management and operational costs; improvement of on-time performance while decreasing operational costs; optimization of cost index capabilities; fuel efficiency program evaluation tools; fuel tracking: fuel management information systems; fuel conservation; dynamic cost index optimization; fuel efficiency audit.

Notes:
24 hours of classroom instruction plus 10 hours of readings and assignments

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CBUS 226
Credit Weight: 5
Transcript Title: Aviation Project Management
Calendar Title: Aviation Project Management.
Description:
The objective of this course is to provide aviation industry professionals with a solid project management methodology. Participants will use their own aviation projects to apply concepts taught throughout the course. Emphasis is placed on the following areas: project management concepts and definitions, project management process groups and knowledge areas, definition and content of a project charter. Participants learn how to prepare a project plan using MS Project 2010 software in a `hands-on¿ laboratory setting.

Notes:
35 hours of classroom instruction plus 15 hours of readings and assignments

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CBUS 237
Credit Weight: 4
Transcript Title: Aerospace Business & Strategy
Calendar Title: Aerospace Business and Strategy.
Description:
This course examines the nature of the aerospace industry and will provide students with the language and framework in which business is conducted. Topics covered include: basic market supply-demand principles in various segments of aviation; fundamentals and models of strategic planning and their application in aerospace using current case studies; overview of the key OEM and major current new aircraft development programs; tier 1 to 3 ecosystems; the business model for new products and services and aftermarket practices; the role of other key stakeholders, agencies, regulatory bodies, international associations, alphabet organizations and capital providers.
Notes:
30 hours in class plus approx. 10 hours of readings/assignments.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CCAU 511
Credit Weight: 3
Transcript Title: Auditing 1
Calendar Title: Auditing 1.
Description:
An introduction to: the nature and purpose of auditing, appointment, remuneration, powers, duties and responsibilities of an auditor; internal control; audit programs, financial statement presentation; procedures for verification of items in financial statements; audit reports.
Notes:
Prerequisite: CCFC 512
Requirements for entry into the Graduate Diploma in Public Accountancy.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCAU 520
Credit Weight: 3
Transcript Title: External Auditing
Calendar Title: External Auditing.
Description:
An examination of the external auditor's legal rights and responsibilities in carrying out the external audit function with particular attention to current auditing standards and any current developments affecting them.
Notes:
Prerequisite: CCAU 511
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCAU 525
Credit Weight: 3
Transcript Title: Operational Auditing
Calendar Title: Operational Auditing.
Description:
Appraisal of the internal control structure with the aim of providing management with recommendations on how to design, develop and implement findings will be examined taking into account the objectives and responsibilities of the internal audit function, its relationship with other units of the organization, various techniques and tools available.
Notes:
Prerequisite: CCAU 511
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CCCS 280
Credit Weight: 3
Transcript Title: Intro to Comp Info Systems
Calendar Title: Introduction to Computer Information Systems.
Description:
An introduction to the role of computer information systems in modern society and organizations. Topics include: current trends in information systems, decision support systems, social media, business process improvements and competitive advantage, database technology, e-business and the digital economy, knowledge management, telecommunications and networking.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 300
Credit Weight: 3
Transcript Title: Programming Techniques 1
Calendar Title: Programming Techniques 1.
Description:
Fundamental programming techniques, concepts, and data structures, including modularization and maintainability. Emphasis on facilitating communication and understanding between systems analysts and programmers to support decision-making.
Notes:
Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 301
Credit Weight: 3
Transcript Title: Programming Techniques 2
Calendar Title: Programming Techniques 2.
Description:
Object oriented design and programming techniques, including the creation of classes, the use of objects, inheritance, and other object oriented principles. Strong focus on problem solving techniques and ways in which programmers can support decision-making within an organization. Inheritance. Interfaces. Design patterns. Application development frameworks. Build automation tools.
Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator.
Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 310
Credit Weight: 3
Transcript Title: Web Development
Calendar Title: Web Development.
Description:
Development of web sites and web-based applications using page markup, style sheets, and client-side scripting. Emphasis will be placed on developing pages that support current standards and accessibility requirements, as well as multimedia, cross-platform development, and site deployment.
Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator.
Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 315
Credit Weight: 3
Transcript Title: Data Structures and Algorithms
Calendar Title: Data Structures and Algorithms.
Description: Programming techniques used to implement algorithms on computers with an object oriented programming language through the careful design of data structures which support the efficient manipulation of data.
Notes: CCCS 300 or approval of the Director or Program Coordinator.
Course includes synchronous activities

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 321
Credit Weight: 3
Transcript Title: Operating Systems Admin
Calendar Title: Operating Systems Administration.
Description: Operating systems such as Windows and LINUX/UNIX environments, administration of computer servers, usage of script languages in various operating systems, back up procedures and remote access, communication protocol used among different systems, managing information and system security.
Notes: 

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 325
Credit Weight: 3
Transcript Title: Mobile Application Development
Calendar Title: Mobile Application Development.
Description: Examines the limitations and technical challenges of current mobile devices and wireless communications by using up-to-date software development tools and application programming interfaces. Develop small realistic applications for mobile devices by using a standard software development environment.
Notes: Prerequisites: CCCS 300 or approval of the Director or Program Coordinator.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 330
Credit Weight: 3
Transcript Title: Database Design & Bus Apps Dev
Calendar Title: Database Design and Business Applications Development.
Description: Design and implement applications that make use of different database management systems. Simple and complex Structured Query Language (SQL) used in manipulation of information, data design, querying, and programming. Connectivity to different
databases through programming languages to implement web applications.

Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator.

Administrating Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation

Status (catalog level): Active

CCCS 425
Credit Weight: 3
Transcript Title: Web Services
Calendar Title: Web Services.

Description:
Design, implementation, and deployment of web services-based solutions to solve common problems in the distributed application domain.

Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator.

Administrating Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation

Status (catalog level): Active

CCCS 431
Credit Weight: 3
Transcript Title: Networking Fundamentals
Calendar Title: Networking Fundamentals.

Description:
Fundamental concepts and practices of network principles, technical and managerial aspects of data communications, overview of local area and wide-area networks, network topology, network protocols, Internet/intranets, client/server communication, and file sharing.

Notes:
Corequisite: CCCS 300

Administrating Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation

Status (catalog level): Active

CCCS 450
Credit Weight: 3
Transcript Title: Access Control & Defence Methods
Calendar Title: Access Control and Defence Methods.

Description:
Covers different authentication methods, identifies management, access controls implementation, attackers; tactics and strategies, anomalous traffic detection, various types of hacking tools and prevention systems against attacks.

Notes:
Prerequisites: CCCS 300, CCCS 321, CCCS 431 and CMIS 422; or approval of the Director or Program Coordinator.

Administrating Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation

Status (catalog level): Active

CCCS 451
Credit Weight: 3
Transcript Title: Communctn and Network Security
Calendar Title: Communication and Network Security.

Description:
Introduction to modern wireless communication and networking technology, including different approaches to secure the wireless networks, with necessary tools to
adapt to the revolutionary change in mobile communications and networking.

Notes:
Prerequisites: CCCS 300, CCCS 321, CCCS 431 and CMIS 422; or approval of the Direcor or Program Coordinator.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 452
Credit Weight: 3
Transcript Title: Security Program Arch and Eng
Calendar Title: Security Program Architecture and Engineering.
Description:
Information security concepts of security models, engineering processes using secure design principles, assessing and mitigating vulnerabilities in systems, designing and implementing physical security.
Notes:
Prerequisites: CCCS 300, CCCS 321, CCCS 431 and CMIS 422; or approval of the Director or Program Coordinator.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 453
Credit Weight: 3
Transcript Title: Security Risk Mgmt&Governance
Calendar Title: Security Risk Management and Governance.
Description:
Ethical, legal and regulatory issues surrounding cyber security so as to design networks and policies for security and compliance, including cyber security risks, threats, opportunities and vulnerabilities at the strategic and operational levels.
Notes:
Prerequisites: CCCS 300, CCCS 321, CCCS 431 and CMIS 422; or approval of the Director or Program Coordinator.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 454
Credit Weight: 3
Transcript Title: Security Incident Resp&Recvry
Calendar Title: Security Incident Response and Recovery.
Description:
The incident lifecycle, incident management plans, business continuity plans, disaster recovery plans that are in place to identify, analyze and respond to attacks and threats.
Notes:
Prerequisites: CCCS 300, CCCS 321, CCCS 431 and CMIS 422; or approval of the Director or Program Coordinator.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 455
Credit Weight: 3
Transcript Title: Intrusion Test&Security Assmt
Calendar Title: Intrusion Testing and Security Assessment.
Description: The fundamentals and tool set needed to discover and exploit system vulnerabilities, penetrate organization infrastructure; tools and hacking techniques used in cyber-attacks, and planning intrusion tests.
Notes: Prerequisites: CCCS 300, CCCS 321, CCCS 431 and CMIS 422; or approval of the Director or Program Coordinator.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 610
Credit Weight: 3
Transcript Title: Digital Thinking for Data Analysis
Calendar Title: Digital Thinking for Data Analysis.
Description: Examination of programmable tools for data analysis. Application methods to implement fundamental algorithms making use of data structures.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 620
Credit Weight: 3
Transcript Title: Data Analysis and Modelling
Calendar Title: Data Analysis and Modelling.
Description: Analysis of fundamental concepts and techniques for data analysis and modelling; basic mathematical and computational concepts needed for data analysis. Application of programmable tools to real-world examples.
Notes: Not open to students who have taken CCS2 505.
Administering Faculty: Graduate Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 630
Credit Weight: 3
Transcript Title: Complex Systems
Calendar Title: Complex Systems.
Description: Tools and techniques for modelling and simulating diverse complex systems; network analysis with applications in social, biological, and infrastructure networks; and chaotic systems.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 640
Credit Weight: 3
Transcript Title: Applied Decision Science
Calendar Title: Applied Decision Science.
Description: Analysis of concepts, tools, and techniques provided by mathematical and computational sciences for decision making in its diverse formats. Examination of
decision science techniques and their applicability.

Notes:
Not open to students who have taken CMS2 505.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 650
Credit Weight: 3
Transcript Title: Applied Data Science
Calendar Title: Applied Data Science.
Description:
Analysis of techniques provided by statistics and computational sciences for machine learning and data science. Examination of real-world applications.
Notes:
Not open to students who have taken CMS2 529.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 660
Credit Weight: 3
Transcript Title: Computational Intelligence
Calendar Title: Computational Intelligence.
Description:
Analysis of tools provided by mathematical and computational sciences for artificial intelligence as well as an examination of the numerous contexts in which computational intelligence can be applied.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 670
Credit Weight: 3
Transcript Title: Information Visualization
Calendar Title: Information Visualization.
Description:
Examination of the application of computational and mathematical concepts, tools, and techniques to visualize quantitative multi-dimensional information. Qualitative information in static, animated, and interactive digital formats. Guidelines and best practices from cognitive psychology, UX, and graphic design, including dashboard tools and storytelling methods.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 680
Credit Weight: 3
Transcript Title: Scalable Data Analysis
Calendar Title: Scalable Data Analysis.
Description:
Concepts, tools, and metrics related to scaling up data analysis to handle massive amounts of data. Examination of methods for enabling technologies and applications such as big data and cloud computing.
Notes:
Not open to students who have taken CMIS 550.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation  
Status (catalog level): Active

CCCS 690  
Credit Weight: 3  
Transcript Title: Applied Computational Research  
Calendar Title: Applied Computational Research.

Description:
Analysis of a real-world case study of choice. Examination of version-controlled repositories and project management tools for tracking the tasks. Identification, formulation, and application of data-driven projects in areas of interest.

Notes:
Prerequisites: CCCS 630 or CCCS 640

Administering Faculty: School of Continuing Studies  
Teaching Department: Technology & Innovation  
Status (catalog level): Active
CCFA 500
Credit Weight: 1.5
Transcript Title: Professional Ethical Practices
Calendar Title: Professional Ethical Practices.
Description:
The Code of Ethics and Standards of Professional Conduct (the Code and Standards) is the ethical benchmark for investment professionals around the globe, regardless of job title, cultural differences, or local laws. Accordingly, this course covers: professionalism and integrity of capital markets; duties to clients and employers; investment analysis and recommendations and conflicts of interest and responsibilities of a CFA. The course includes examination of case-studies in ethics and prepares students to pass the standard of practice exam.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CCFA 505
Credit Weight: 1.5
Transcript Title: Financial Modeling
Calendar Title: Financial Modeling.
Description:
Financial modeling involves the building of an abstract representation (a model) of a real-world financial situation. This mathematical model is designed to represent a simplified version of the performance of a financial asset or portfolio of a business, project, or other investment. Students will be introduced to, and are expected to generate and refine, financial modeling in mergers and acquisitions, portfolio management, corporate treasury, and risk management contexts in which derivative products will be used or in situations where analysis and decision making would be enhanced by modeling.
Notes:
Pre-requisite(s): CACC 521 or Departmental approval
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 510
Credit Weight: 3
Transcript Title: Current Ops in Global Fin Mkts
Calendar Title: Current Operations in Global Financial Markets.
Description:
This course reviews the current role of financial institutions and financial markets, the transactions effected through intermediaries in facilitating global trade, and the current scheme of regulations across major trading centres. The course also considers threats to the regulated intermediary through crypto currencies and other forms of trade.
Notes:
Prerequisites: CEC2 532 or CEC2 632
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 515
Credit Weight: 3
Transcript Title: Essentials of Fin Report&Anal
Calendar Title: Essentials of Financial Reporting and Analysis.
Description:
This course examines the role of accounting and financial reporting in the
analysis of financial statements and decision-making. While the course focuses primarily on the International Financial Reporting Standards (IFRS) framework in financial reporting, it will also cover financial statements using Accounting Standards for Private Enterprises (ASPE). Topics covered through the use of case studies and other approaches include: analysis of basic financial statements and the quality of reporting in the annual report; analysis of assets and liabilities, including taxes, debt, off-balance-sheet assets and liabilities, pensions, stock compensation and other employee benefits, and global operations.

Notes:
Co-requisite(s): CCFA 505
Pre-requisite(s): CACC 521

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CCFA 520
Credit Weight: 3
Transcript Title: Theor of Captl Struc&Corp Fin1
Calendar Title: Theory of Capital Structure and Corporate Finance 1.
Description:
This course introduces students to the liabilities and shareholders' equity section of the balance sheet. The optimal balance between debt and equity given the company's sector operations and the economy are analyzed. Furthermore, corporate finance topics including net present value, project finance, and others are reviewed in depth to help prepare students for the Level 1 CFA exam.

Notes:
Co-requisite(s): CMS2 521
Pre-requisite(s): CACC 520 or CACC521

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CCFA 523
Credit Weight: 3
Transcript Title: Corporate Treasury Management
Calendar Title: Corporate Treasury Management.
Description:
This course covers topics related to the management of an enterprise's holdings to manage and mitigate the firm's liquidity as well as its market, operational, financial, and reputational risks. Corporate treasury management includes a firm's receipts and disbursements, concentration, investment, and funding activities. In larger firms, it may also include trading in bonds, currencies, and financial derivatives, as well as the associated financial risk management.

Notes:
Pre-requisite: CACC 521

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 527
Credit Weight: 3
Transcript Title: Intro to Portfolio & Risk Mgmt
Calendar Title: Introduction to Portfolio and Risk Management.
Description:
This course introduces the portfolio planning and construction process, including the development of an investment policy statement (IPS). A discussion of risk management, including the various types and measures of risk, follows, and a risk
management framework is provided. Derivatives have become increasingly important for managing financial risk, exploiting investment opportunities, and creating synthetic asset class exposure, so this course provides students with a working knowledge of derivatives analysis. Finally, the course provides an introduction to Alternative Investments, which are used in portfolios for further diversification benefits and higher returns.

Notes:
Prerequisites: CCFA 505
Corequisites: CMS2 521
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CCFA 528
Credit Weight: 3
Transcript Title: Invest Decs & Eff of Behav Fin
Calendar Title: Investment Decisions and Effect of Behavioural Finance.
Description:
The standard economic paradigm¿rational agents in an efficient market¿does not adequately describe behaviour in financial markets. In this course, students will survey the evidence and use psychological criteria to guide alternative theories of financial markets. The standard argument that smart, profit-seeking agents can correct any distortions caused by irrational investors is reviewed. Furthermore, the preferences and trading decisions of individual investors in the age of artificial intelligence and robot advisors are examined, and the assertion that systematic biases can aggregate into observed market inefficiencies debated. The second half of the course extends the analysis to corporate decision-making.

Notes:
Prerequisites: CCFA 505, (CCFA 515 or CCFA 615), (CMS2 521 or CMS2 621) and (CEC2 532 or CEC2 632)
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 529
Credit Weight: 3
Transcript Title: Intro to Fixd-Inc&Equty Invest
Calendar Title: Introduction to Fixed-Income and Equity Investments.
Description:
Students are introduced to characteristics of fixed-income and equity investments, their markets, and indexes; they are also exposed to yield and valuation measures, risk factors and drivers of fixed-income securities and to industry and company analysis and basic equity valuation models.

Notes:
Prerequisites: CCFA 505, CCFA 515
Corequisites: CCFA 510
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CCFA 530
Credit Weight: 3
Transcript Title: Intro to Apps & Uses of Derivs
Calendar Title: Introduction to Applications and Uses of Derivatives.
Description:
Montreal is the second largest derivative market in North America. The main objective of this course is to help students gain understanding of and enhance
their intuition and skills on the pricing of derivative securities. Thereafter, they will be able to use these skills in effective investment and/or risk management. The course includes an in-depth review of a wide range of applications and real-life cases, including the use of derivatives in asset management, valuation of corporate securities such as stocks and corporate bonds with embedded options, interest rate derivatives, credit derivatives, and crude oil and currency derivatives. The practical considerations of implementing strategies using derivatives are emphasized.

Notes:
Pre-requisite(s): CCFA 510, CCFA 527 and CCFA 529
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 535
Credit Weight: 3
Transcript Title: Theor of Captl Struc&Corp Fin2
Calendar Title: Theory of Capital Structure and Corporate Finance 2.
Description:
The objective of this course is to study the major decision-making areas of managerial finance and selected topics in financial theory. The course reviews the theory and empirical evidence related to the investment and financing policies of the firm, and attempts to develop decision-making ability in these areas. The course includes an analysis of leasing decisions, mergers and acquisitions, corporate reorganization, financial planning and working capital management, and other selected topics including investment decision-making under uncertainty, cost of capital, capital structure, pricing of selected financial instruments and corporate liabilities, and dividend policy.
Notes:
Prerequisite: CCFA 520
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CCFA 536
Credit Weight: 3
Transcript Title: Behavrl Fin & Wealth Planning
Calendar Title: Behavioural Finance and Wealth Planning.
Description:
The standard economic paradigm – rational agents in an efficient market – does not adequately describe behaviour in financial markets. Students will survey emotional and cognitive biases, as well as the use of psychological criteria to guide alternative theories of financial markets. Introduces students to the management and planning of individual and family portfolios as well as tax considerations and tax efficiency strategies in portfolio management.
Notes:
Prerequisites: CCFA 527
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 538
Credit Weight: 3
Transcript Title: Mrgs&Acqsn Incl Firm Val Mthds
Calendar Title: Mergers and Acquisitions Including Firm Valuation Methods.
Description:
This course focuses on developing the skills and strategies required for the
design and evaluation of mergers, acquisition deals, and transactions. It provides students with knowledge of current processes in mergers and acquisitions through the use of case studies and a review of recent Canadian and global transaction discussions. Valuation analysis, which is at the core of mergers and acquisition, is also covered. Topics include: valuation techniques, financial modelling, analyses of strategy, dilution, financing risk, deal design, and structuring and post-merger integration.

Notes:
Prerequisites: CCFA 515 and CCFA 520
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 540
Credit Weight: 3
Transcript Title: Portfolio Strategies & Mgmt
Calendar Title: Portfolio Strategies and Management.
Description:
In this course, students discuss and review stock market movements and the news in the past week. The aim is to enable students to research, analyze, and make recommendations for a sector or corporation and prepare them to advocate a buy or sell decision within the context of a strategy for managing an investment portfolio.

Notes:
Prerequisites: CCFA527
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 542
Credit Weight: 3
Transcript Title: Hedge Fund
Calendar Title: Hedge Fund.
Description:
This course introduces students to types of hedge funds, key participants in the market, and the role of and interdependencies between each participant and the market. Students explore the difference between traditional funds and hedge funds, including the attractiveness of or need for hedge funds and misconceptions thereof. Students survey the different hedge funds within major industry groups, especially those that have a major impact on the Quebec economy. The course explores relevant strategies, including market-trend driven, event-driven, or Arbitrage. Furthermore, the course provides a methodology by which to evaluate hedge funds. Finally, institutional issues related to liquidity, margin requirements, risk management, and performance measurement are examined.

Notes:
Prerequisite: CCFA 540
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 545
Credit Weight: 3
Transcript Title: Adv Fixd-Income & Equity Invest
Calendar Title: Advanced Fixed-Income and Equity Investments.
Description:
Students learn to estimate the risks and expected returns for fixed-income and equity instruments, analyze the term structure of interest rates and yield
spreads, and evaluate fixed-income instruments with embedded options and unique features; in addition, they will develop the ability to analyze and evaluate equity securities using appropriate valuation concepts and techniques.

Notes:
Prerequisites: CCFA 529

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 547
Credit Weight: 3
Transcript Title: Advanced Portfolio Management
Calendar Title: Advanced Portfolio Management.
Description:
A conceptual framework is presented for understanding asset allocation considerations and key implementation approaches, including an examination of the effects of investor constraints and adaptations to address them. Finally, elements of currency, fixed-income, and equity portfolio management are discussed at an advanced level.

Notes:
Prerequisites: CCFA 527

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 548
Credit Weight: 3
Transcript Title: Alternative Investments
Calendar Title: Alternative Investments.
Description:
This course explores non-traditional investment strategies currently used by investment managers to diversify their portfolio. This course covers: real estate, private equity/venture capital and valuation, investment entities, managed futures, timberland/farmland, intellectual property, distressed securities, bankruptcies, hedge fund strategies, and commodities.

Notes:
Prerequisites: CCFA 505

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 595
Credit Weight: 3
Transcript Title: Special Topics in Finance
Calendar Title: Special Topics in Finance.
Description:
Advanced specialized course that exposes students to emerging and current trends in the finance area.

Notes:
Prerequisite: CCFA 520

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 600
Credit Weight: 1.5
Transcript Title: Ethics in Finance
Calendar Title: Ethics in Finance.
Description:
Study of the Code of Ethics and Standards of Professional Conduct of Chartered Financial Analyst (CFA) Institute. Topics include professionalism and the integrity of capital markets, duties to clients and employers, investment analysis and recommendations, conflicts of interest, and responsibilities of CFA members and candidates.
Notes:
Restriction: Not open to students who have taken CCFA 500.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 601
Credit Weight: 3
Transcript Title: Financial Analysis Tools
Calendar Title: Financial Analysis Tools.
Description:
Study of statistical and economics tools used in the analysis of investments and other financial aspects of businesses. Topics include statistical concepts and methodologies, such as statistical inference and linear regression, as well as micro- and macroeconomics concepts, such as the analysis of demand and supply, understanding business cycles and international trade, and the effects of fiscal and monetary policy.
Notes:
Prerequisites: CMS2 500 or exemption by examination
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 615
Credit Weight: 3
Transcript Title: Financial Statement Analysis
Calendar Title: Financial Statement Analysis.
Description:
Examination of accounting standards and financial reporting principles in investment decision making from both the internal and external perspectives of a corporation. Study of the interplay between the balance sheet, the income statement, and the cash flow statement, and examination of financial statement elements, such as inventories, long-lived assets, income taxes, and long-term liabilities, contrasting International Financial Reporting Standards (IFRS) and United States Generally Accepted Accounting Principles (US GAAP).
Notes:
Prerequisites: CMS2 500 or exemption by examination.
Restrictions: Not open to students who have taken CCFA 515.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 620
Credit Weight: 3
Transcript Title: Contemporary Finance 1
Calendar Title: Contemporary Finance 1.
Description:
Comprehensive overview of corporations and other businesses from the point of view of internal and external financial decisions, including how the risk and return
measures associated with businesses are used in corporate decision making and in assembling investment portfolios. Introduction to behavioural factors in investments, the management of risk for the enterprise, and the emerging field of financial technology.

Notes:
Prerequisites: CMS2 500 or exemption by examination.
Not open to students who have taken CCFA 520.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 627
Credit Weight: 1.5
Transcript Title: Financial Risk Management
Calendar Title: Financial Risk Management.
Description: Examination of financial risk management techniques that can be used by investors and businesses alike. Topics include derivatives, alternative investments, and the value of these assets.
Notes:
Prerequisites: CMS2 500 or exemption by examination.
Restrictions: Not open to students who have taken CCFA 527.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 629
Credit Weight: 3
Transcript Title: Fixed-Income & Equity Investments
Calendar Title: Fixed-Income and Equity Investments.
Description: Examination of the characteristics of fixed-income and equity investments, their markets and indexes. Topics include yield and valuation measures, risk factors and drivers of fixed-income securities, industry and company analysis, and equity valuation models.
Notes:
Prerequisites: CMS2 500 or exemption by examination.
Restrictions: Not open to students who have taken CCFA 529.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 635
Credit Weight: 3
Transcript Title: Contemporary Finance 2
Calendar Title: Contemporary Finance 2.
Description: Comprehensive and extended overview of corporations and other businesses from the point of view of internal and external financial decisions, including how the split of raised capital between equity and debt, as well as a firm’s policy for returning benefits to shareholders, are used in corporate decision making and in assembling investment portfolios. Consideration of mergers and acquisitions, and further exploration of behavioral finance, governance and sustainability, and the management of both individual and institutional investment portfolios.
Notes:
Prerequisites: CCFA 620 or exemption by examination
Restrictions: Not open to students who have taken CCFA 535.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 639
Credit Weight: 3
Transcript Title: ESG Investing
Calendar Title: ESG Investing.
Description:
Examination of ESG (Environmental, Social, and Governance) investing. Study of the benefits of using ESG factors in investment decision making, from both a portfolio performance and a sustainability standpoint, and the integration of ESG factors in portfolio construction and management.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 655
Credit Weight: 3
Transcript Title: Finl Modelling & Visualization
Calendar Title: Financial Modelling and Visualization.
Description:
Examination of essential skills and techniques currently used to treat and summarize financial data. Applications discussed include Excel, and the computer languages Power BI, R and Python.
Notes:
Prerequisites: CCCS 620 or CCFA 601 or exemption by examination.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 660
Credit Weight: 3
Transcript Title: Fintech & the Financial System
Calendar Title: Fintech and the Financial System.
Description:
Study of financial technology (Fintech) and the impact of the digitization of financial products and services on the structure of financial markets and the traditional role of financial institutions. A comprehensive introduction to Fintech detailing the business models of Fintech disruptors in various industries in the financial sector.
Notes:
Prerequisites: CCCS 620 or CCFA 601 or exemption by examination.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 665
Credit Weight: 3
Transcript Title: Machine Lrng&Big Data in Fin
Calendar Title: Machine Learning and Big Data in Finance.
Description:
In-depth examination of the Artificial Intelligence paradigm as it applies to and is transforming the financial services sector. Analysis of data issues associated with the financial applications of such new technology. Topics include machine learning and modelling techniques, data security and data governance.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 670
Credit Weight: 3
Transcript Title: Adv Financial Modelling & Visualization
Calendar Title: Advanced Financial Modelling and Visualization.
Description: Analysis of the advanced skills and techniques currently used to treat and summarize financial data for decision making. Focus on advanced applications of the methods for analyzing financial data using Excel, R, and Python.
Notes: Prerequisites: CCFA 655 or exemption by examination.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 675
Credit Weight: 3
Transcript Title: Decentralized Fin & Pltfrm Ecoms
Calendar Title: Decentralized Finance and Platform Economies.
Description: Examination of the transforming structure of the financial sector with regard to the decentralization of financial services and transactions. Analysis of the role of central banks and other regulatory bodies. Topics include the platform economy, the effects of blockchain on financial systems, and Fintech business models.
Notes: Prerequisites: CCFA 660 or exemption by examination.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 680
Credit Weight: 3
Transcript Title: Financial Market Technology
Calendar Title: Financial Market Technology.
Description: Analysis of the application of financial modelling and visualization techniques to the treatment of risk and portfolio management. Focus on financial market applications of data-driven decision making.
Notes: Prerequisites: CCFA 627 or exemption by examination and CCFA 655 or exemption by examination.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFA 690
Credit Weight: 3
Transcript Title: Special Topics in Fintech
Calendar Title: Special Topics in Financial Technology.
Description: Special topics in emerging and current trends in the Fintech area, including: fintech entrepreneurship and fintech regulation.
Notes:
Prerequisites: CCFA 601 or exemption by examination.
1. Topics may vary from semester to semester.

**Administrating Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active
CCFC 511
Credit Weight: 3
Transcript Title: Financial Accounting 1
Calendar Title: Financial Accounting 1.
Description:
Theoretical and practical foundation of financial reporting, specifically focusing on the accounting concepts, the accounting process, revenue and asset recognition, their measurement and disclosure.
Notes:
Prerequisite: CACC 521
Corequisite: CMS2 500 and CPL2 552
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 512
Credit Weight: 3
Transcript Title: Financial Accounting 2
Calendar Title: Financial Accounting 2.
Description:
A detailed review of the accounting for current and long term assets and liabilities, intangibles and shareholders' equity; determination of accounting income and the treatment of prior period adjustments and extraordinary items; working capital and flow of funds; financial statement presentation; partnerships. Current practices and the relevant CICA recommendations will be reviewed in terms of theoretical concepts and principles.
Notes:
Prerequisites: CCFC 511 and CMS2 500
Corequisite: CMS2 621
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 513
Credit Weight: 3
Transcript Title: Financial Accounting 3
Calendar Title: Financial Accounting 3.
Description:
The underlying concepts and accounting treatment of inter-corporate investments, foreign currency, interim reporting and accounting for not-for-profit including a detailed examination of CPA Canada recommendations. Reporting of relevant financial information and the preparation of consolidated financial statements with emphasis on their economic substance rather than legal form.
Notes:
Prerequisites: CCFC 512 and (CMS2 521 or CMS2 621)
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 515
Credit Weight: 3
Transcript Title: Issues in Professional Pract 1
Calendar Title: Issues in Professional Practice 1.
Description:
Practical and concrete application of certain accounting aspects with a view to solving problems faced by businesses by developing the skills required to take decisive action in various business situations, including mergers and
acquisitions, asset/business valuations, financial analyses, companies in difficulty and tax/estate planning.

Notes:
Corequisite: CCFC 520

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 516
Credit Weight: 3
Transcript Title: Forensic Accounting
Calendar Title: Forensic Accounting.
Description:
Forensic accounting including legislative and regulatory approaches to economic crime; accountants' professional legal responsibilities concerning error and fraud detection during engagements; and fraud prevention, detection and management.

Notes:
Prerequisite: ACCT 475 or CCAU 511 or Departmental Approval

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CCFC 520
Credit Weight: 3
Transcript Title: Issues in Professional Pract 2
Calendar Title: Issues in Professional Practice 2.
Description:
Skills required to provide advisory and public accounting services specifically addressing ethical issues for public accountants, engagement risks and strategies, financial reporting requirements and new developments in GAAP and GAAS.

Notes:
Corequisite: CCFC 515

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 521
Credit Weight: 3
Transcript Title: Corporate Governance
Calendar Title: Corporate Governance.
Description:
How existing corporate governance systems, wealth creation, business viability and living standards are interconnected. Shareholder power, stakeholder rights and privileges, and who ultimately holds power and how such power should be delegated are also addressed.

Notes:
Corequisite: CCFC 522
Prerequisite(s): (BUSA 364 or CCLW 511 or CCLW 611) and MGCR 211 or Departmental Approval

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 522
Credit Weight: 3
Transcript Title: Strategic Financial Management
Calendar Title: Strategic Financial Management.
Description:
Strategic financial management skills focusing on growth strategies, financing structures, financial risk management, control mechanism design and performance evaluations from the perspective of the professional accountant internal to the organization.

Notes:
Corequisite: CCFC 521
Prerequisite(s): (BUSA 364 or CCLW 511 or CCLW 611) and MGCR 211 or Departmental Approval.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 523
Credit Weight: 3
Transcript Title: Public Accountancy
Calendar Title: Public Accountancy.
Description:
The course prepares students for public accounting responsibilities. Topics include diagnostic analysis of financial information integrity, accounting manipulations, asset measurement and technological hazards, mandate planning, risk assessment, gathering and evaluating audit evidence and reporting results of engagement. Case studies will be used to study public accountancy.

Notes:
Prerequisite: ACCT 475 or CCAU 511

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCFC 590
Credit Weight: 3
Transcript Title: Topics in Acct & Auditing
Calendar Title: Topics in Accounting and Auditing.
Description:
Specialized course covering an advanced topic in the accounting and auditing areas selected from current issues or themes in literature.

Notes:
Prerequisites: CCAU 511 and CCFC 513
Note: Content will vary from year to year.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CCLW 205
Credit Weight: 3
Transcript Title: Introduction to Business Law
Calendar Title: Introduction to Business Law.
Description:
An examination of legal concepts that may influence business operations. The fundamentals of Civil and Common Law; the principles of contract law; specific contracts like sale, consumer protection, mandate, lease, and employment; civil and professional liability; debtor - creditor relations and bankruptcy; tort and negligence; ethics and professional conduct are some of the topics to be covered along with court judgments.
Notes:
Restriction: Not open to students who have taken or are taking BUSA 364
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CCLW 300
Credit Weight: 3
Transcript Title: PubAdmin&Lawfor IndigenousPpls
Calendar Title: Public Administration and Law for Indigenous Peoples.
Description:
This course focuses on the development, implementation and administration of government policies and its role in enhancing community economic development. The course will focus on approaches, practices and multi-disciplinary skills needed for efficient and ethical administration, the laws and regulations governing these practices, and ways to develop effective relationships with industry and government.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day**
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CCLW 511
Credit Weight: 3
Transcript Title: Law 1
Calendar Title: Law 1.
Description:
Sources and administration of law; the Canadian Constitution and the division of powers; the Quebec Civil Code, comprising the law of persons, the law of property, obligations, contracts, sale, lease and hire, mandate, suretyship, hypothecs and prescription.
Notes:
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CCLW 611
Credit Weight: 3
Transcript Title: Business Law Concepts
Calendar Title: Business Law Concepts.
Description:
Sources and administration of law; the Canadian Constitution and the division of powers; the Quebec Civil Code, comprising the law of persons, the law of property,
obligations, contracts, sale, lease and hire, mandate, suretyship, hypothecs, and prescription.

**Notes:**
Not open to students who have taken CCLW 511.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Management & Entrepreneurship

**Status (catalog level):** Active
CCMA 511
Credit Weight: 3
Transcript Title: Managerial Accounting 1
Calendar Title: Managerial Accounting 1.
Description:
Introduction to cost accounting. Elements of cost; job order and process cost systems; budgeting; standard costs and analysis of variances; cost/volume/profit relationships; variable costing; relevant costs.
Notes:
Prerequisites: CCFC 511, CMS2 500 and CPL2 552
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCMA 522
Credit Weight: 3
Transcript Title: Managerial Accounting 2
Calendar Title: Managerial Accounting 2.
Description:
Building on Managerial Accounting I, this course examines the processes used by management to make decisions relating to business operations; investments and cost management. Process costing, cost linked to quality (spoilage, rework, scrap), joint products and transfer pricing are also included.
Notes:
Prerequisite: CCMA 511
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCMA 523
Credit Weight: 3
Transcript Title: Managerial Accounting 3
Calendar Title: Managerial Accounting 3.
Description:
Core management control problems, the management control systems available to address those problems, and important situational factors that can cause managers to choose one set of management controls over another are examined. Coverage of management controls is extended to situations that deserve special attention.
Notes:
Prerequisite: CCMA 522
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CCOM 605
Credit Weight: 3
Transcript Title: Nonverbal Communication
Calendar Title: Nonverbal Communication.
Description:
Introduction to different aspects of nonverbal communication, including kinesics, proxemics, haptics, and vocalics, and their influence in face-to-face interactions. Study of the ways that nonverbal communication can be harnessed to improve empathy, negotiation and leadership skills, and how nonverbal communication impacts dominance and persuasion. Nonverbal communication and neurodiversity. Evidence-based practices in nonverbal communication. Issues with lie detection.
Administering Faculty: Graduate Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CCPA 601
Credit Weight: 6
Transcript Title: CPA Foundations 1
Calendar Title: CPA Foundations 1.
Description:
This course examines the application of technically complex financial accounting and reporting issues. It will also explore corporate governance, strategy and management accounting, with an emphasis on their integration. The course will foster integration between financial accounting and related audit notions in a case-based setting, while focusing on different roles a CPA may play in an organization, both internal and external.
Notes:
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.
Corequisite: CCPA 631
This course must be taken concurrently with CCPA 631.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCPA 602
Credit Weight: 6
Transcript Title: CPA Foundations 2
Calendar Title: CPA Foundations 2.
Description:
This course develops upon the financial accounting and reporting, management accounting, and audit concepts explored in CCPA 601. Tax will be integrated into case scenarios to simulate the complete set of decision variables faced by a CPA. The course will explore how to perform cash flow projections and business valuations. Emphasis will be placed on using these analyses to provide advice to management.
Notes:
Prerequisite(s): CCPA 601 and CCPA 631
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCPA 621
Credit Weight: 3
Transcript Title: Taxation
Calendar Title: Taxation.
Description:
This course will focus on providing tax planning and compliance advice for Canadian corporations, trusts individuals and partnerships. This course will integrate tax planning with financial reporting, governance and finance issues.
Notes:
Prerequisite(s): CCPA 601, CCPA 602 and CCPA 631.
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCPA 622
Credit Weight: 3
Transcript Title: Performance Management
Calendar Title: Performance Management.
Description:
This course will explore how to articulate an effective business strategy and policies for corporate governance. The course will also explore how to manage and mitigate risk while assessing overall business performance.
Notes:
Prerequisite(s): CCPA 601, CCPA 602 and CCPA 631.
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCPA 623
Credit Weight: 3
Transcript Title: Assurance
Calendar Title: Assurance
Description:
This course will focus on the different elements of an audit plan and how to tailor that plan to different business settings (private companies, public enterprises and NPOs). The course will also explore how to develop procedures, evaluate the effectiveness of internal controls and conclude on audit results.
Notes:
Prerequisite(s): CCPA 601, CCPA 602 and CCPA 631.
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCPA 624
Credit Weight: 3
Transcript Title: Finance for CPAs
Calendar Title: Finance for CPAs.
Description:
This course will examine how to evaluate and recommend investment and financing projects. Advanced topics in corporate finance will be explored, with a focus on decision-making. This course will stress the integration of finance-related decisions with strategy and governance.
Notes:
Prerequisite(s): CCPA 601, CCPA 602 and CCPA 631.
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCPA 631
Credit Weight: 3
Transcript Title: Case-Writing & Commun for CPAs
Calendar Title: Case-Writing and Communications for CPAs.
Description:
This course focuses on developing a structured case writing approach and effective presentation skills. Students will practice case-writing which will be professionally graded and debriefed in class. Students will also learn techniques
on how to prepare and deliver board-level presentations.

**Notes:**
Corequisite: CCPA 601
This course must be taken concurrently with CCPA 601.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CCPA 641**

**Credit Weight:** 3

**Transcript Title:** Capstone 1 Seminar

**Calendar Title:** Capstone 1 Seminar.

**Description:**
This course will provide an introduction to comprehensive case analysis. Teamwork will be used as a means to integrate the enabling competencies and the six technical competency areas required of a CPA to develop a presentation and report aimed at a Board of Directors. Emphasis will be placed on developing case responses using the CPA Way.

**Notes:**
Prerequisite(s): CCPA 601, CCPA 602 and CCPA 631; and two of CCPA 621, CCPA 622, CCPA 623, and CCPA 624.
Corequisite(s): CCPA 642.
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CCPA 642**

**Credit Weight:** 0

**Transcript Title:** Capstone 2 Exam Preparation

**Calendar Title:** Capstone 2 Examination Preparation.

**Description:**
This course will explore communication using the case method. Emphasis will be placed on case writing best practices, mastery of technical material and application of enabling competencies acquired during the program.

**Notes:**
Prerequisite(s): CCPA 601, CCPA 602 and CCPA 631; and two of CCPA 621, CCPA 622, CCPA 623, and CCPA 624.
Corequisite(s): CCPA 641.
Restriction(s): Only open to students in the Graduate Certificate in CPA Professional Education.

**Web add deadline is April 26, 2021 which is the day before the start of classes.**

**No web drop allowed.**

**Web withdrawal not applicable**

**Early opening registration date for CS courses only**

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active
CCS2 505
Credit Weight: 3
Transcript Title: Programming for Data Science
Calendar Title: Programming for Data Science.
Description:
Tools and techniques for designing and implementing software applications by using modern programming languages relevant to data science.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Inactive

CCS2 508
Credit Weight: 3
Transcript Title: Web Application Development
Calendar Title: Web Application Development.
Description:
Use of web application frameworks to improve both productivity and time to market. Primary technology and fundamental architectural elements of programming web sites that produce content dynamically. Client-side and server-side application development, databases within web applications, and open source software stack for web applications.
Notes:
Restriction: Students must have successfully completed an introductory computer programming course. Students who have not met this requirement must successfully complete CCCS 300.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCS2 510
Credit Weight: 3
Transcript Title: Comp. Network & Internet Sec.
Calendar Title: Computer Network and Internet Security.
Description:
Basic principles, design and performance of computer networks. Theory and technology, including network security models, cryptography protocols and standards, network security threats and types of attacks, security counter-measure strategies and tools, firewalls, access control and platform-specific security issues.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCS2 550
Credit Weight: 3
Transcript Title: Multimedia Comm Design & Mktg
Calendar Title: Multimedia Communication Design and Marketing.
Description:
Emphasis on the application of visual communication and knowledge management in business decision making, communication, marketing and research. Focus on identification and management of tools, media, channel delivery and customer interaction. The course explores the applications, formats and best practice strategies in reaching the target audiences.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCS2 590
Credit Weight: 3
Transcript Title: Topics in Info Technology
Calendar Title: Topics in Information Technology.
Description: Specialized course covering an advanced topic in the information technology area selected from current issues or themes in literature.
Notes: Students must have successfully completed an introductory computer programming course. Students who have not met this requirement must successfully complete CCCS 300.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active
CCTR 217
Credit Weight: 3
Transcript Title: Fundls of Compar Styl&Writ(En)
Calendar Title: Fundamentals of Comparative Stylistics and Writing (English)
Description: Concepts and principles that are essential to the practice of translation, including a review of advanced grammar and syntax indispensable for translators; an extensive review of punctuation and mechanics; an overview of comparative stylistics between English and French; and, an introduction to basic writing techniques that includes the essentials of composition and rhetoric, to highlight the importance of tailoring each text to a specific audience and a purpose.
Notes: Restriction: Open only to students in the Certificate in Translation, French to English option. Not open to students who have taken or are taking CCTR 234 or CCTR 310.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 218
Credit Weight: 3
Transcript Title: Fundls of Compar Styl&Writ(Sp)
Calendar Title: Fundamentals of Comparative Stylistics and Writing (Spanish)
Description: The concepts and principles that are essential to the practice of translation, including the following: a review of advanced grammar and syntax indispensable for translators; an extensive review of punctuation and mechanics; an overview of comparative stylistics between English and Spanish; and an introduction to basic writing techniques that includes the essentials of composition and rhetoric, to highlight the importance of tailoring each text to a specific audience and a purpose.
Notes: Restriction(s): Open only to students in the following programs: Certificate in Translation, Spanish to English option; Certificate in Translation, English to Spanish option. Not open to students who have taken or are taking CCTR 234, CCTR 237, or CCTR 317.
The languages of instruction of this course are Spanish and English.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 219
Credit Weight: 3
Transcript Title: Fundls of Compar Styl&Writ(Fr)
Calendar Title: Fundamentals of Comparative Stylistics and Writing (French)
Description: Concepts and principles that are essential to the practice of translation, including a review of advanced grammar and syntax indispensable for translators; an extensive review of punctuation and mechanics; an overview of comparative stylistics between French and English; and, an introduction to basic writing techniques that includes the essentials of composition and rhetoric, to highlight the importance of tailoring each text to a specific audience and a purpose.
Notes: Restriction: Open only to students in the Certificate in Translation, English to French option. Not open to students who have taken or are taking CCTR 233 or CCTR 310.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 225
Credit Weight: 3
Transcript Title: Intro to Translation (EngtoFr)
Calendar Title: Introduction to Translation (English to French).
Description:
Introduction to the principles and practice of translation from English into French, including contrastive analysis of English and French, general text analysis, as well as an introduction to appropriate research techniques and sources of documentation. Examination of various methods and strategies to identify and resolve different translation problems.
Notes:
Corequisite(s): CCTR 217 or CCTR 219 or CCTR 310 or CCTR 233 or CCTR 234
Restriction: Only open to students in the following program: Certificate in Translation.

CCTR 226
Credit Weight: 3
Transcript Title: Intro to Translation (FrtoEng)
Calendar Title: Introduction to Translation (French to English).
Description:
Introduction to the principles and practice of translation from French into English, including contrastive analysis of English and French, general text analysis, as well as an introduction to appropriate research techniques and sources of documentation. Examination of various methods and strategies to identify and resolve different translation problems.
Notes:
Corequisite: CCTR 217 or CCTR 219 or CCTR 310 or CCTR 233 or CCTR 234
Restriction(s): Only open to students in the following program: Certificate in Translation.

CCTR 227
Credit Weight: 3
Transcript Title: Spanish Translation 1
Calendar Title: Spanish Translation 1.
Description:
An introduction to the principles of translation through careful analysis and translation of selected texts with a view to building competence in translating from English and/or French into Spanish.
Notes:
Prerequisite: Entrance exam
Only open to students in one of the following programs: Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.
Note: The languages used in the course are Spanish, English and French. Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 228
Credit Weight: 3
Transcript Title: Intro to Translation (EngtoSp)
Calendar Title: Introduction to Translation (English to Spanish).
Description:
Introduction to the principles and practice of translation from English into Spanish, including contrastive analysis of English and Spanish, general text analysis, as well as an introduction to appropriate research techniques and sources of documentation. Examination of various methods and strategies to identify and resolve different translation problems.
Notes:
Corequisite(s): CCTR 218, OR, CCTR 237, OR, CCTR 317.
Restriction(s): Open only to students in the following programs: Certificate in Translation, Spanish to English option; Certificate in Translation, English to Spanish option.
Not open to students who have taken or are taking CCTR 227.
The languages of instruction of this course are Spanish and English.

CCTR 232
Credit Weight: 3
Transcript Title: Documentation and Terminology
Calendar Title: Documentation and Terminology/Documentation et terminologie.
Description:
Skills needed for research in documentation and terminology; on- and off-line use of databanks, Internet resources as well as various forms of records and corpora; introduction to MT (machine translation), CAT (computer-assisted translation) and localization.
Notes:
Bilingual course / cours bilingue
Restriction(s): Only open to students in the following program: Certificate in Translation.

CCTR 233
Credit Weight: 3
Transcript Title: Tech:Rédaction pour Traducteurs
Calendar Title: Techniques: Rédaction pour traducteurs.
Description:
Les étudiants auront à rédiger d'une façon claire et concise en respectant les règles du code écrit. Ils apprendront à tirer profit de toutes les ressources stylistiques de la langue pour rendre leurs textes idiomatiques. Le cours portera sur différents aspects de la rédaction: publicité, rédaction commerciale, comptes rendus, communiqués de presse, et d'autres discours spécialisés.
Notes:
en français
Restriction(s): Only open to students in the following program: Certificate in Translation.
**Administering Faculty**: School of Continuing Studies
**Teaching Department**: Translation
**Status (catalog level)**: Active

**CCTR 234**

**Credit Weight**: 3

**Transcript Title**: Writing Tech for Translators

**Calendar Title**: Writing Techniques for Translators.

**Description**: Students will practice writing clearly and concisely, respecting the rules for written expression. They will learn to make use of all the stylistic resources of the language to make the text idiomatic and readable. The course will include various specialized discourses such as advertising, business letters, résumés, press releases, etc.

**Notes**: In English

Restriction: Only open to students in the following program: Certificate in Translation.

**Administering Faculty**: School of Continuing Studies
**Teaching Department**: Translation
**Status (catalog level)**: Active

**CCTR 237**

**Credit Weight**: 3

**Transcript Title**: Writing Techniques (Spanish)

**Calendar Title**: Writing Techniques (Spanish).

**Description**: Practice in writing clearly and concisely, respecting the rules for written expression. Use of all the stylistic resources afforded by the language to make the text idiomatic and readable, including various specialized discourses such as advertising, business correspondence, résumés and press releases.

**Notes**: Prerequisite: Entrance exam

Note: The languages used in the course are Spanish, English and/or French. Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.

Restriction(s): Only open to students in one of the following programs: Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.

**Administering Faculty**: School of Continuing Studies
**Teaching Department**: Translation
**Status (catalog level)**: Active

**CCTR 310**

**Credit Weight**: 3

**Transcript Title**: Comparative Stylistics 2

**Calendar Title**: Comparative Stylistics 2.

**Description**: Provides linguistic and stylistic comparisons between English and French in terms of their relation to the practical study of Translation. Comparative analysis of the structures of the two languages will be used to outline the common problems of translation and to develop strategies for dealing with them. The emphasis will be placed on problems of grammar, syntax and style.

**Notes**: Bilingual course / cours bilingue

Restriction(s): Only open to students in the following programs: Certificate in
Translation; English to French; Certificate in Translation; French to English;

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Translation

**Status (catalog level)**: Active

**CCTR 317**

**Credit Weight**: 3

**Transcript Title**: Comparative Stylistics: S/E/F

**Calendar Title**: Comparative Stylistics: Spanish/English/French.

**Description**: Linguistic and stylistic comparisons among English, French and Spanish in relation to the practical study of translation. Comparative structural analysis of the languages is used to outline the common problems of translation and to develop strategies for dealing with them. Emphasis on grammar, syntax and style.

**Notes**: Prerequisite: Entrance exam

Note: The languages used in the course are Spanish, English and/or French. Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.

**Restriction(s)**: Only open to students in one of the following programs:
Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Translation

**Status (catalog level)**: Active

**CCTR 325**

**Credit Weight**: 3

**Transcript Title**: Semi-Spec.Transl. (Eng to Fr)

**Calendar Title**: Semi-Specialized Translation (English to French).

**Description**: Introduction to the translation of specialized subject matter through translation of various semi-specialized texts (texts written by specialists for non-specialists). Study of the various methods, strategies, appropriate tools and research techniques to identify and resolve translation problems specific to the selected texts, such as the recognition of terms or the challenges of popularizing specialized terminology in French. Students will be exposed to texts in a variety of fields in preparation for the specialized domains covered in subsequent translation courses.

**Notes**: Prerequisite: CCTR 225

Restriction: Only open to students in the Certificate in Translation, English to French option.

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Translation

**Status (catalog level)**: Active

**CCTR 326**

**Credit Weight**: 3

**Transcript Title**: Semi-Spec. Transl. (Fr to Eng)

**Calendar Title**: Semi-Specialized Translation (French to English).

**Description**: Introduction to the translation of specialized subject matter through translation of various semi-specialized texts (texts written by specialists for non-specialists). Study of the various methods, strategies, appropriate tools and research techniques to identify and resolve translation problems specific to the selected texts, such as the recognition of terms or the challenges of popularizing
specialized terminology in English. Students will be exposed to texts in a variety of fields in preparation for the specialized domains covered in subsequent translation courses.

Notes:
Prerequisite: CCTR 226
Restriction: Only open to students in the Certificate in Translation, French to English option.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 330
Credit Weight: 3
Transcript Title: TextRevision/Révision:Texte 01
Calendar Title: Text Revision/Révision: Texte 01.
Description:
This course is designed to teach students the principles of evaluating and correcting texts written in English or translated from French into English. Students will learn proofreading techniques and editorial practices. The relation between the translating and the revising of a text will be studied./ Ce cours vise à inculquer à l'étudiant des principes pour évaluer et corriger des textes rédigés en français ou traduits de l'anglais au français. On familiarisera l'étudiant aux techniques de la révision d'épreuves et au code typographique. La question des relations entre traduction et révision fera l'objet d'une étude.

Notes:
Bilingual course / cours bilingue
Restriction(s): Only open to students in the following program: Certificate in Translation.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 331
Credit Weight: 3
Transcript Title: Current Trends in Transl.Stud.
Calendar Title: Current Trends in Translation Studies .
Description:
Introduction to prominent trends and discourses in translation studies. Text-centered approaches to the study of translation, including the analysis, contextualization and application of central concepts to describe translators' practices, followed by the study of sociological approaches. Empirical case studies selected will analyze the social conditions of production and dissemination of translations, as well as the agents and institutions that shape translation processes and practices, including translators¿ professionalization.

Notes:
Condition préalable: CCTR 225 et CCTR 226 [ou CCTR 220]
Restriction(s): Only open to students in the following program: Certificate in Translation.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 334
Credit Weight: 3
Transcript Title: Spanish Translation to English
Calendar Title: Spanish Translation to English.
Description:
Designed for students with a good working knowledge of Spanish, the course provides training in translation techniques from Spanish into English. Topics will cover areas of a general nature as well as business and administrative texts.

Notes:
Restriction: Only open to students in the following program: Certificate in Translation; Spanish to English.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 335
Credit Weight: 3
Transcript Title: Semi-Spec.Transl. (Eng to Sp)
Calendar Title: Semi-Specialized Translation (English to Spanish).
Description:
Introduction to the translation of specialized subject matter through translation of various semi-specialized texts (texts written by specialists for non-specialists). Study of the various methods, strategies, appropriate tools and research techniques to identify and resolve translation problems specific to the selected texts, such as the recognition of terms or the challenges of popularizing specialized terminology in Spanish. Students will be exposed to texts in a variety of fields in preparation for the specialized domains covered in subsequent translation courses.

Notes:
Prerequisite(s): CCTR 227 or CCTR 228
Restriction: Not open to students who have taken or are taking CCTR 360.
The languages of instruction of this course are Spanish and English.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 340
Credit Weight: 3
Transcript Title: Intro to Spanish Text Revision
Calendar Title: Introduction to Spanish Text Revision.
Description:
Principles of evaluating and correcting texts written in Spanish or translated into Spanish from English or French. Proofreading techniques and editorial practices. Relationship between translation and text revision.

Notes:
Restriction(s): Only open to students in one of the following programs:
Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.
The languages used in the course are Spanish, English and French.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 360
Credit Weight: 3
Transcript Title: Spanish Translation 2
Calendar Title: Spanish Translation 2.
Description:
The emphasis of this course is on translation from English/French into Spanish. Material chosen for this course will cover those areas which at the moment are in
greatest demand: law, material related to international agreements on the environment; computer science, etc. / Cours de traduction anglais/français-espagnol. Les documents étudiés pendant le cours couvrent des sujets particulièrement d'actualité : droit, accords internationaux sur l'environnement, informatique, etc.

Notes:
Note: Language of instruction: Spanish
Restriction(s): Only open to students in one of the following programs:
Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 401
Credit Weight: 3
Transcript Title: Independent St:Translation
Calendar Title: Independent Studies: Translation.
Description:
Research, reading and special projects, permitting independent study under the guidance of a staff member specializing in the field of interest. Projects will have to be arranged individually with the instructors. A detailed study proposal must be submitted to the Director during the first week of class. / Recherche, lecture et projets spéciaux, permettant des études indépendantes sous la direction d'un membre du personnel spécialisé dans le domaine choisi par l'étudiant. Les projets doivent être conçus individuellement avec les chargés de cours. Projet d'étude détaillé à présenter au directeur pendant la première semaine de cours.

Notes:
Prerequisite: Permission of the Program Director
Condition préalable: autorisation du directeur du programme

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 433
Credit Weight: 3
Transcript Title: French Translation 3
Calendar Title: French Translation 3.
Description:
This course concentrates on translating texts from English into French. Texts of specialized domains will be used (e.g. management, legal, computer technology, and engineering).

Notes:
Prerequisites: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 431

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 434
Credit Weight: 3
Transcript Title: English Translation 3
Calendar Title: English Translation 3.
Description:
This course concentrates on translating texts from French into English. Texts of specialized domains will be used (e.g. management, legal, computer technology, and engineering).
Notes:
Prerequisites: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 432
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 435
Credit Weight: 3
Transcript Title: French Translation 4
Calendar Title: French Translation 4.
Description:
This course concentrates on translating texts from English into French. Texts from one or more specialized domains will be used (e.g. health and environmental sciences, computer software programs, engineering and aeronautics). Localization techniques will be studied.
Notes:
Prerequisite: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 431
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 436
Credit Weight: 3
Transcript Title: English Translation 4
Calendar Title: English Translation 4.
Description:
This course concentrates on translating texts from French into English. Texts from one or more specialized domains will be used (e.g. health and environmental sciences, computer software programs, engineering and aeronautics). Localization techniques will be studied.
Notes:
Prerequisite: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 432
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 437
Credit Weight: 3
Transcript Title: Spanish Translation 3
Calendar Title: Spanish Translation 3.
Description:
Translation and localization of materials/texts from French and/or English into Spanish. Concentration on specialized domains including management, finance, and international and monetary economics.
Restriction(s): Only open to students in one of the following programs:
Certificate in Translation; Spanish to English; Certificate in Translation;
Spanish to French; Certificate in Translation; French/English to Spanish.
Note: The languages used in the course are Spanish, English and French. Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 438
Credit Weight: 3
Transcript Title: Spanish Translation 4
Calendar Title: Spanish Translation 4.
Description: Translation and localization of materials/texts from French and/or English into Spanish. Concentration on specialized domains including technical, legal, medical, and computer technology and software.
Notes: Restriction(s): Only open to students in the following program: Certificate in Translation; French/English to Spanish.
Note: The languages used in the course are Spanish, English and/or French. Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 441
Credit Weight: 3
Transcript Title: Traduction Littéraire-Français
Calendar Title: Traduction Littéraire-Français.
Description: Translation (English into French) of prose of literary quality ranging from the critical essay to the descriptive or psychological novel.
Notes: Restriction(s): Only open to students in the following program: Certificate in Translation.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 443
Credit Weight: 1.5
Transcript Title: Intl. Business Transl. (Eng to Sp)
Calendar Title: International Business Translation (English to Spanish).
Description: Focus on international business translation. Survey of basic legislative and business practices. Practice with a range of different texts within the realm of business translation, including contracts, powers of attorney, business correspondence, policies, training documents and strategy guides.
Notes: Prerequisite(s): CCTR 335 or CCTR 360
The languages of instruction of this course are Spanish and English.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 445
Credit Weight: 1.5
Transcript Title: Healthcare Transl. (Eng to Sp)
Calendar Title: Healthcare Translation (English to Spanish).
Description: Healthcare translation from English to Spanish including an overview of language
access regulations in healthcare in Canada and the U.S. Introduction to the
terminological and translation challenges typical of these texts, as well as the
various methods, strategies, and resources to mitigate them. Practical translation
exercises include public health leaflets, patient resources, insurance benefit and
member information, press releases, as well as consent, surgery pre-op and
discharge forms.
Notes:
Prerequisite(s): CCTR 335 or CCTR 360
The languages of instruction of this course are Spanish and English.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 447
Credit Weight: 1.5
Transcript Title: Intl. Dev.Transl. (Eng to Sp)
Calendar Title: International Development Translation (English to Spanish).
Description:
Translation of international development-related texts from English to Spanish.
Overview of the field of international development and the role of the
main international development actors, as well as specific translation challenges
associated with these texts. Practice translation exercises will focus on topics
such as gender and development, child protection and development, disease
prevention and management, capacity building, as well as human rights.
Notes:
Prerequisite(s): CCTR 335 or CCTR 360
1. The languages of instruction of this course are Spanish and English.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 449
Credit Weight: 1.5
Transcript Title: Transcreation (Eng to Sp)
Calendar Title: Transcreation (English to Spanish).
Description:
Introduction to English-to-Spanish translation and transcreation of marketing
collateral and communications materials, with a focus on consumer goods and online
platforms, including an introduction to the basics of search engine
optimization-friendly content for translators. Survey of the specificities of
online communication in translation in terms of readability and purpose.
Translation exercises include Web pages, e-commerce sites and social media posts.
Emphasis on understanding the hybrid role of the online community or social media
manager in a multicultural and multilingual global context.
Notes:
Prerequisite(s): CCTR 335 or CCTR 360
1. The languages of instruction of this course are Spanish and English.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 453
Credit Weight: 1.5
Transcript Title: Tech.Transl.:InfoTech(EngtoFr)
Calendar Title: Technical Translation: Information Technology (English to French).
Description:
Technical translation from English to French, focusing on IT-related products.
Overview of key concepts which include localization, internationalization and globalization. Introduction to and study of the translation problems specific to these texts, as well as the various strategies, appropriate resources and tools used to mitigate them. Practice with software localization, in particular, user interfaces, user manuals and online help, as well as other texts related to computer applications in various industries.

Notes:
Prerequisite: CCTR 325
Restriction: Only open to students in the Certificate in Translation, English to French option.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 455
Credit Weight: 1.5
Transcript Title: Tech.Transl.:Transp.(EngtoFr)
Calendar Title: Technical Translation: Transportation (English to French).
Description:
Technical translation from English to French focusing on transportation. Emphasis on terminology, phraseology and the inner workings of mechanical engineering, civil engineering and architecture. Study of the translation problems specific to these texts, as well as the various strategies, appropriate resources and tools used to mitigate them. Translation exercises will focus on technical texts related to machinery, machine tools and vehicles, as well as physical structures (bridges, tunnels, subways, ports and airports).

Notes:
Prerequisite: CCTR 325.
Restriction: Only open to students in the Certificate in Translation, English to French option.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 457
Credit Weight: 1.5
Transcript Title: Fin.Transl.: Invest.(EngtoFr)
Calendar Title: Financial Translation: Investments (English to French).
Description:
Introduction to financial translation, focusing on investment-related documents. Overview of key concepts, including asset(s), fixed-income, equity and investment funds. Study of problems specific to the translation of financial texts, as well as the various strategies, appropriate resources and research techniques used to mitigate them. Practical translations include factsheets, prospectuses, performance reports and website content.

Notes:
Prerequisite: CCTR 325.
Restriction: Only open to students in the Certificate in Translation, English to French.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 459
Credit Weight: 1.5
Transcript Title: Transcreation (Eng to Fr)
Calendar Title: Transcreation (English to French).
Description:
Introduction to English-to-French translation and transcreation of marketing collateral and communications materials, with a focus on consumer goods and online platforms, including an introduction to the basics of search engine optimization-friendly content for translators. Survey of the specificities of online communication in translation in terms of readability and purpose. Translation exercises include Web pages, e-commerce sites and social media posts. Emphasis on understanding the hybrid role of the online community or social media manager in a multicultural and multilingual global context.

Notes:
Prerequisite: CCTR 325
Restriction: Only open to students in the Certificate in Translation, English to French option.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 463
Credit Weight: 1.5
Transcript Title: Adm.Transl:Corp.Report(FrtoEn)
Calendar Title: Administrative Translation: Corporate Reports (Fr to Eng).
Description:
French-to-English translation of specialized administrative texts, including annual reports, audit reports, research reports and minutes. Emphasis on fundamental reporting concepts, commonly used terms and phrases, and the stylistic differences between French and English corporate communication.

Notes:
Prerequisite: CCTR 326
Restriction: Only open to students in the Certificate in Translation, French to English option.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 465
Credit Weight: 1.5
Transcript Title: TechTransl:Enrgy&NatRses(FtoE)
Calendar Title: Technical Translation: Energy and Natural Resources(FrtoEn).
Description:
French-to-English translation of technical texts related to energy and natural resource development, management and sustainability. Study of the translation problems specific to these texts, as well as the various strategies, appropriate resources and tools used to mitigate them. Translation practice will include studies, user manuals, project specifications, environmental reports and consumer information.

Notes:
Prerequisite: CCTR 326
Restriction: Only open to students in the Certificate in Translation, French to English option.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 467
Credit Weight: 1.5
Transcript Title: AdminTransl: HR&Train.(FrtoEn)
**Calendar Title:** Administrative Translation: HR and Training (Fr to Eng).

**Description:**
French-to-English translation and localization of texts used in human resources management and training. Introduction to the techniques, as well as the use of appropriate resources involved in the translation of these text types, including a context-specific analysis of the stylistic differences between the two languages. Translation exercises include policies, procedures, employee handbooks and health and safety guidelines, as well as training materials, such as presentations and videos, with a focus on the fast-growing field of e-learning.

**Notes:**
Prerequisite: CCTR 326
Restriction: Only open to students in the Certificate in Translation, French to English option.

**Administering Faculty:** School of Continuing Studies
**Teaching Department:** Translation
**Status (catalog level):** Active

**CCTR 469**
**Credit Weight:** 1.5

**Transcript Title:** Transcreation (Fr to Eng)

**Calendar Title:** Transcreation (French to English).

**Description:**
Introduction to French-to-English translation and transcreation of marketing collateral and communications materials, with a focus on consumer goods and online platforms, including an introduction to the basics of search engine optimization-friendly content for translators. Survey of the specificities of online communication in translation in terms of readability and purpose. Translation exercises include Web pages, e-commerce sites and social media posts. Emphasis on understanding the hybrid role of the online community or social media manager in a multicultural and multilingual global context.

**Notes:**
Prerequisite: CCTR 326
Restriction: Only open to students in the Certificate in Translation, French to English option.

**Administering Faculty:** School of Continuing Studies
**Teaching Department:** Global & Strategic Comm.
**Status (catalog level):** Active

**CCTR 485**
**Credit Weight:** 3

**Transcript Title:** Intro to Public Serv Interpret

**Calendar Title:** Introduction to Public Service Interpreting.

**Description:**
Introduction to public service (or community) interpreting. Focus on consecutive, liaison and dialogue interpreting. Emphasis will be placed on active listening and concentration skills, memory, synthesizing information for ensuing recall, and basic note-taking techniques as a memory aid. Speech delivery aspects such as register, accuracy, fluency and diction in the target language will be introduced. Sight translations of legal, medical and administrative texts. A review of best practices for interpreters in community settings.

**Notes:**
Prerequisite: Entrance Examination for Apprentice Interpreters. Departmental Approval Required.

English, French and Spanish are the languages of instruction, but active knowledge of only two of the three languages will be required to take this course.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 500
Credit Weight: 3
 Transcript Title: Translation Practicum 1
 Calendar Title: Translation Practicum 1.
 Description: Translation project supervised by faculty and/or external partner.
 Notes: Prerequisite: Departmental approval required.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 503
Credit Weight: 3
 Transcript Title: Translation Studies(Eng/Fr/Sp)
 Calendar Title: Translation Studies (English/French/Spanish).
 Description: This introduction to translation studies focuses on the theoretical frameworks used by practicing translators. Students study recognized theorists and translators who have reflected on translation as both product and process. Practical exercises and research papers provide students with the opportunity to discover practical applications of theorists’ approaches to translation.
 Notes: Restriction: Must be enrolled in one of the following Programs: Graduate Diploma in Translation

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 504
Credit Weight: 3
 Transcript Title: Professional Contexts
 Calendar Title: Professional Contexts.
 Description: Introduction to the national and international contexts of professional practice in translation. Students will be sensitized to models of governance, deontology and practice organization, practice management and the translation industry. Particular attention will be paid to the internationalization of translation markets as well as marketing strategies in today’s digital world.
 Notes: Restriction(s): Only open to students in the Certificate in Translation.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 506
Credit Weight: 3
 Transcript Title: Editing and Revising (Spanish)
 Calendar Title: Editing and Revising (Spanish).
 Description: Principles of editing and revising texts written in Spanish or translated into Spanish from English, including the difference between editing and revising by
adopting a hands-on approach. An introduction to parameters and procedures applied in copyediting and editing practices (including structural, content and substantive editing); an examination of those used in bilingual revision; post-editing (i.e., revising machine translation output) will be introduced, as well as computer aids for editors and revisers.

Notes:
Prerequisite(s): CCTR 335 or CCTR 360
Restriction: Not open to students who have taken or are taking CCTR 340.
1. The languages of instruction of this course are Spanish and English.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 507
Credit Weight: 3
Transcript Title: Editing and Revising (French)
Calendar Title: Editing and Revising (French).
Description:
Principles of editing and revising texts written in French or translated into French from English, including the difference between editing and revising by adopting a hands-on approach. An introduction to parameters and procedures applied in copyediting and editing practices (including structural, content and substantive editing); examination of those used in bilingual revision; post-editing (i.e., revising machine translation output), as well as computer aids for editors and revisers.

Notes:
Prerequisite: CCTR 325
Restriction: Not open to students who have taken or are taking CCTR 330. Only open to students in the Certificate in Translation, English to French option.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 508
Credit Weight: 3
Transcript Title: Editing and Revising(English)
Calendar Title: Editing and Revising (English).
Description:
Principles of editing and revising texts written in English or translated into English from French, including the difference between editing and revising by adopting a hands-on approach. An introduction to parameters and procedures applied in copyediting and editing practices (including structural, content and substantive editing); examination of those used in bilingual revision; post-editing (i.e., revising machine translation output), as well as computer aids for editors and revisers.

Notes:
Prerequisite: CCTR 326.
Restriction: Not open to students who have taken or are taking CCTR 330. Only open to students in the Certificate in Translation, French to English option.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 510
Credit Weight: 3
Transcript Title: Computer Assisted Translation
Calendar Title: Computer Assisted Translation / Informatique en traduction.
Description:
This course prepares the student for this vital approach to translation through its hands-on introduction to and use of IT applied to translation.// Grâce à son introduction pratique et à l'application des technologies de l'information à la traduction, ce cours permet à l'étudiant de se familiariser avec une méthode de traduction essentielle.

Notes:
Restriction(s): Only open to students in the following program: Graduate Diploma in Translation.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation

Status (catalog level): Active

CCTR 526
Credit Weight: 3
Transcript Title: Linguistics for Translation
Calendar Title: Linguistics for Translation / La linguistique et la traduction.
Description:
This course is designed to give the student an overview of the scientific study of language and the manner in which it can be applied to translation. Students will apply their theoretical knowledge in a series of practical exercises on the various topics. The course consists of three major parts: a) A presentation of the basic concepts of linguistics. b) A study of the mechanics of language with a particular emphasis on morphology and syntax and the use of the writing code. Application of the concepts of deep structure and surface structure to help in the decoding and encoding of texts in two different languages. c) A study of the theories of socio- and psycholinguistics as applied to translation. / Ce cours vise à donner à l'étudiant une vue d'ensemble de l'étude scientifique du langage et de ses modalités d'application à la traduction. Des exercices pratiques portant sur divers sujets permettent à l'étudiant de mettre en pratique ses connaissances théoriques. Le cours comprend trois grands volets : a) Une présentation des notions de base de la linguistique; b) Étude des mécanismes du langage et particulièrement de la morphologie, de la syntaxe et du code écrit. Application des notions de structure profonde et de structure superficielle pour faciliter le décodage et le codage de textes dans deux langues; c) Une étude des théories de la socio- et de la psycholinguistique appliquées à la traduction.

Notes:
Restriction(s): Only open to students in the following program: Graduate Diploma in Translation.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation

Status (catalog level): Active

CCTR 530
Credit Weight: 3
Transcript Title: Principles of Jurilinguistics
Calendar Title: Principles of Jurilinguistics.
Description:
Introduction to the field of jurilinguistics. Examination of jurilinguistic practices, including: drafting, legal translation, legal terminology development, revision, interpretation of law, and other aspects of legal language, such as readability and plain language.

Notes:
This is a bilingual course
Restriction: Open to students enrolled in the Graduate Diploma in Legal Translation or with departmental approval.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 533
Credit Weight: 3
Transcript Title: Spec. Translation (Eng/Fr)
Calendar Title: Specialized Translation (English/French).
Description:
Through the analysis of specialized texts and the strategic approaches seasoned translators use to solve translation problems, students build advanced-level competence in the translation of highly specialized texts. Student groups study appropriate translation strategies, make oral presentations and undertake action research in specialty languages.
Notes:
Restriction(s): Only open to students in one of the following programs: Graduate Diploma in Translation; French to English; Graduate Diploma in Translation; English to French.

Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CCTR 535
Credit Weight: 3
Transcript Title: Intro to Language Technologies
Calendar Title: Introduction to Language Technologies.
Description:
Identification and classification of different types of language technologies and their components. Introduction to computer-assisted translation (CAT) tools, translation management systems, machine translation and post-editing. Hands-on experience with CAT tools usage including the creation of translation memories, file alignment, creation of terminology databases and records, as well as the translation of documents in a translation editing environment. Principles of real life meta-learning (i.e., learning how to learn).
Notes:
This is a bilingual course.
Early opening registration date for CS courses only
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 541
Credit Weight: 3
Transcript Title: Legal Translation: General
Calendar Title: Legal Translation: General.
Description:
Translation of legal texts. Overview of legal theory. Examination of legal translation methodology, legal terminology, phraseology, and legal citation guidelines through hands-on translation exercises of different subtypes of legal texts.
Notes:
This is a bidirectional translation course (English to French and French to English). The languages of instruction are English and French.
Open to students enrolled in the Graduate Diploma in Legal Translation or with departmental approval.

**Administrating Faculty:** School of Continuing Studies  
**Teaching Department:** Global & Strategic Comm.  
**Status (catalog level):** Active

CCTR 544  
**Credit Weight:** 1.5  
**Transcript Title:** (Co)Writ.Tech.forLegalDrafters  
**Calendar Title:** (Co)Writing Techniques for Legal Drafters  
**Description:** Drafting of legal documents in a clear and concise manner in unilingual, bilingual and multilingual contexts. The processes and procedures for (co)writing plain yet precise language will be the focus of practical exercises in (co)writing. Familiarity with the stylistic resources of both source and target languages will be studied with a view to making (co)writing outcomes reliable, idiomatic and readable.  
**Notes:**  
Prerequisites: CCTR 530  
Restriction: Only open to students enrolled in the Graduate Diploma in Legal Translation or by Departmental Approval.  
This is a bilingual course.  
Early opening registration date for CS courses only.  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.**

CCTR 551  
**Credit Weight:** 0  
**Transcript Title:** Comprehensive Evaluation  
**Calendar Title:** Comprehensive Evaluation/Evaluation globale.  
**Description:** Upon completion of each course, the student will select the best work produced for that course. It will be set aside to form part of the "best-work" portfolio which the student will present to a graduating committee after completing all required and complementary courses. The selection of material for this purpose will be done in collaboration with the student's adviser and in such a way as to reflect all different aspects of the knowledge acquired by the student over the duration of his studies and to highlight the particular aspects and relevance of each of their courses. / À la fin de chaque cours, l'étudiant doit choisir son meilleur travail et le verser au dossier des travaux qu'il soumettra à un comité une fois qu'il aura mené à bien tous les cours obligatoires et facultatifs de son programme. Le choix de ces travaux se fait avec la collaboration du conseiller de l'étudiant; il reflète tous les versants des connaissances acquises par l'étudiant durant ses études et met en lumière les particularités et la pertinence de chaque cours suivi.  
**Notes:**  
$100.00  
**Administrating Faculty:** School of Continuing Studies  
**Teaching Department:** Translation  
**Status (catalog level):** Active

CCTR 553
Credit Weight: 2
Transcript Title: Legal Transl: Judgments (EntoFr)
Calendar Title: Legal Translation: Judgments (English to French).
Description:
Translation of judgments from English to French. Review of judicial systems and subject-matter jurisdiction. Examination of legal translation principles and techniques applied to judgments. Study of macro-level translation strategies specific to judgments, including structure, genre, function (of the judgment and its translation) and context, and micro-level textual specificities of judgments and their translation. Strategies used to solve specific terminological and phraseological translation problems. Research techniques and use of appropriate references and tools when translating judgments.
Notes:
Prerequisite: CCTR 541
Restriction: Open only to students enrolled in the Graduate Diploma in Legal Translation.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Early opening registration date for CS courses only.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 554
Credit Weight: 2
Transcript Title: Legal Transl: Judgments (FrtoEn)
Calendar Title: Legal Translation: Judgments (French to English).
Description:
Translation of judgments from French to English. Review of judicial systems and subject-matter jurisdiction. Examination of legal translation principles and techniques applied to judgments. Study of macro-level translation strategies specific to judgments, including structure, genre, function (of the judgment and its translation) and context, and micro-level textual specificities of judgments and their translation. Strategies used to solve specific terminological and phraseological translation problems. Research techniques and use of appropriate references and tools when translating judgments.
Notes:
Prerequisite: CCTR 541
Restriction: Open only to students enrolled in the Graduate Diploma in Legal Translation.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Early opening registration date for CS courses only.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 555
Credit Weight: 2
Transcript Title: Legal Transl: Contracts (EntoFr)
Calendar Title: Legal Translation: Contracts (English to French).
Description:
Translation of contracts from English to French. Overview of the legal framework for contracts translated in Canada, including differences between the civil law
principles applied in Quebec and the common law principles applied in the rest of Canada, and other translation problems typical of international contracts. Examination of the structure of contracts. Application of context-specific translation strategies. Translation of standard and general clauses, as well as specific types of contracts. Examination of English and French terminology and phraseology in the subfield of contracts.

Notes:
Prerequisites: CCTR 530 and CCTR 541. Restriction: Open only to students enrolled in the Graduate Diploma in Legal Translation.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 557
Credit Weight: 2
Transcript Title: Legal Transl:Stat&Reg (EntoFr)
Calendar Title: Legal Translation: Statutes & Regulations (English to French).

Description:
Translation of legislation from English to French. Review of legislative systems in Canada. Analysis of methods of legislative translation in Canada. Legal translation principles and techniques applied to the translation of legislation. Study of macro-level translation strategies specific to statutes and regulations, including jurisdiction, sources of law, law structure, genre, function (of statutes and regulations and their translation) and context, and micro-level textual specificities of statutes and regulations and their translation. Strategies used to solve specific terminological and phraseological translation problems. Research techniques and use of appropriate references and tools when translating legislation.

Notes:
Prerequisites: CCTR 530 and CCTR 541.
Restriction: Open only to students enrolled in the Graduate Diploma in Legal Translation.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 558
Credit Weight: 2
Transcript Title: Legal Transl:Stat&Reg (FrtoEn)
Calendar Title: Legal Translation: Statutes&Regulations (French to English).
Description:
Translation of legislation from French to English. Review of legislative systems in Canada, with a focus on Quebec. Analysis of methods of legislative translation in Canada. Legal translation principles and techniques applied to the translation of legislation. Study of macro-level translation strategies specific to statutes and regulations, including jurisdiction, sources of law, law structure, genre, function (of statutes and regulations and their translation) and context, and micro-level textual specificities of statutes and regulations and their translation. Strategies used to solve specific terminological and phraseological translation problems. Research techniques and use o appropriate references and tools when translating legislation.
Notes:
Prerequisite: CCTR 530 and CCTR 541.
Restrictions: Open only to students enrolled in the Graduate Diploma in Legal Translation.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 599
Credit Weight: 3
Transcript Title: Spec.Top.: Translation.Studies
Calendar Title: Special Topics in Translation Studies.
Description:
Selected topics in translation and translation studies.
Notes:
Prerequisite: Departmental approval required.
Topics will vary by academic year.
Early opening registration date for CS courses only
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 600
Credit Weight: 3
Transcript Title: Translation Practicum 2
**Calendar Title:** Translation Practicum 2  
**Description:** Translation project supervised by faculty and/or external partner.  
**Notes:** Prerequisite: CCTR 500  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Global & Strategic Comm.  
**Status (catalog level):** Active

**CCTR 601**  
**Credit Weight:** 3  
**Transcript Title:** Independent Studies  
**Calendar Title:** Independent Studies.  
**Description:** Independent study under the guidance of a course supervisor specializing in the field of interest.  
**Notes:** Prerequisite: Departmental approval required  
Projects will have to be arranged individually with the instructors. A detailed study proposal must be submitted to the Director or Course Supervisor during the first week of class.  
To obtain approval, a detailed study proposal must be submitted to the course supervisor.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Global & Strategic Comm.  
**Status (catalog level):** Active

**CCTR 602**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics: Legal Transl 1  
**Calendar Title:** Special Topics in Legal Translation 1.  
**Description:** Selected topics in legal translation.  
**Notes:** Prerequisite: Departmental approval required.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Global & Strategic Comm.  
**Status (catalog level):** Active

**CCTR 603**  
**Credit Weight:** 1.5  
**Transcript Title:** Special Topics: Legal Transl 2  
**Calendar Title:** Special Topics in Legal Translation 2.  
**Description:** Selected topics in legal translation.  
**Notes:** Prerequisite: Departmental approval required.  
Topics will vary by academic year.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Global & Strategic Comm.  
**Status (catalog level):** Active

**CCTR 605**  
**Credit Weight:** 3  
**Transcript Title:** Applied Research Project 1  
**Calendar Title:** Applied Research Project 1.
Description: Preparation of an applied research proposal and initiation of research under the supervision of a faculty member.

Notes: Prerequisite: Departmental approval required.

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CCTR 606
Credit Weight: 3
Transcript Title: Applied Research Project 2
Calendar Title: Applied Research Project 2.

Description: Completion of research and submission of completed research project under the supervision of a faculty member.

Notes: Prerequisite: CCTR 605

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CCTR 642
Credit Weight: 2
Transcript Title: Legal Transl: Secur. Law (FrtoEn)
Calendar Title: Legal Translation: Securities Law (French to English).

Description: Translation of securities documents from French to English. Introduction to the statutes, regulations and rules governing the distribution of financial products and services in Canada. Practical translation exercises include prospectus offerings, regulatory documents, judgments in securities cases, corporate securities compliance documents and shareholders agreements.

Notes: Restriction: Open only to students enrolled in the Graduate Diploma in Legal Translation. Not open to students who have taken CCTR 542.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CCTR 643
Credit Weight: 3
Transcript Title: Lang. Mgmt in the Justice Sect
Calendar Title: Language Management in the Justice Sector.

Description: Critical examination of the concept of multilingualism, its management and its social and economic consequences for the justice sector. Analysis of different models of institutional and corporate language management, as well as their effects on the language industries. Implications of language technology developments on language management in the justice sector, including in crisis communication management.

Notes: Restrictions: Open to students enrolled in the Graduate Diploma in Legal Translation and by departmental approval. Not open to students who have taken
CCTR 543.
Supplementary Calendar Info: This is a bilingual course.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 645
Credit Weight: 2
Transcript Title: Legal Transl:Secur.Law(EntoFr)
Calendar Title: Legal Translation: Securities Law (English to French).
Description:
Translation of securities documents from English to French. Overview of the legal
framework governing the securities market in Canada. Examination of the common
securities documents translated in Canada, including prospectuses, material change
reports, business acquisition reports, annual information forms, information
circulars, take-over bid circulars and directors’ circulars. Application of
research techniques to find mandatory language in the English and French versions
of securities regulations. Examination of English and French terminology and
phraseology in the subfield of securities.
Notes:
Prerequisites: CCTR 530 and CCTR 541.
Open only to students enrolled in the Graduate Diploma in Legal Translation. Not
open to students who have taken CCTR 545.
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fifth lecture day.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CCTR 660
Credit Weight: 2
Transcript Title: Current Trends in Legal Transl
Calendar Title: Current Trends in Legal Translation.
Description:
Selected current trends related to legal translation.
Notes:
Restrictions: Open only to students enrolled in the Graduate Diploma in Legal
Translation.
Supplementary Calendar Info: 1. This course is bilingual. Topics for discussion
may vary. 2. **Due to the intensive nature of this course, the standard add/drop
and withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fifth lecture day.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CCTX 511
Credit Weight: 3
Transcript Title: Taxation 1
Calendar Title: Taxation 1.
Description:
Basic principles of tax law; residence, meaning and computation of taxable income; computation of personal tax; foreign tax credits; capital gains; partnerships; trusts; administration and enforcement; case decisions; Revenue Department bulletins, circulars and rulings; appeals.
Notes:
Prerequisite: CACC 521 or CACC 520
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CCTX 532
Credit Weight: 3
Transcript Title: Taxation 2
Calendar Title: Taxation 2.
Description:
Theoretical analysis of federal corporate taxation. Current issues in taxation will also be discussed and analyzed.
Notes:
Prerequisite: CCTX 511
CGA Requirement
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CEC2 532
Credit Weight: 3
Transcript Title: Business Economics
Calendar Title: Business Economics.
Description:
Introductory micro and macro economic theory and practice in profit and non-profit organizations from a managerial perspective. Topics include: demand and supply analysis, production costs, firms' pricing and output determination, aggregate demand and supply, national income, output and employment determination, inflation, interest rate, exchange rate determination, fiscal and monetary policies.

Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CEC2 632
Credit Weight: 3
Transcript Title: Business Economics
Calendar Title: Business Economics.
Description:
Overview of microeconomic tools and analytic approaches for business decision-making. Topics include analysis of demand, supply and markets, production, costing and pricing decisions, market structure, competition, and strategy. Macroeconomic indicators, forecasting, and policy and their effect on the business environment overall.

Notes:
Not open to students who have taken CEC2 532.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CEEN 102
Credit Weight: 3
Transcript Title: Basic English
Calendar Title: Basic English.
Description:
Instruction in listening, speaking, reading and writing English at a basic level. The basic communicative skills required to operate in simple social contexts.
Notes:
Restriction(s): Not open to students who have successfully completed CEGL/YCGL 102
Early opening registration date for Continuing Studies courses only.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 104
Credit Weight: 3
Transcript Title: Elementary English 1
Calendar Title: Elementary English 1.
Description:
Instruction in listening, speaking, reading and writing English at an elementary level. The communicative skills required to operate in various simple social contexts.
Notes:
Prerequisite(s): CEEN 102 or Entrance Placement Test or Permission of Director
Restriction(s): Not open to students who have successfully completed CEGL/YCGL 104.
Early opening registration date for Continuing Studies courses only.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 106
Credit Weight: 3
Transcript Title: Elementary English 2
Calendar Title: Elementary English 2.
Description:
Instruction in listening, speaking, reading and writing English at a high elementary level. The communicative skills required to operate in various simple social and cultural contexts.
Notes:
Prerequisite(s): CEEN 104 or Entrance Placement Test or Permission of Director
Restriction(s): Not open to students who have successfully completed CEGL/YCGL 106.
Early opening registration date for Continuing Studies courses only.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 201
Credit Weight: 3
Transcript Title: Vocab & Reading Strategies
Calendar Title: Vocabulary and Reading Strategies.
Description:
Further opportunities, beyond those provided in the core courses of the low-intermediate level, for students to increase their English language vocabulary and develop their reading skills. The course is designed to help students develop
strategies for extrapolating meaning from context at both the sentence and paragraph level. Students will develop techniques for using sentence level and paragraph level clues to understand word meaning, sentence meaning, and paragraph meaning.

Notes:
Corequisite(s): CEEN 201, or CEEN 211, or CEEN 212, or CEEN 221, or CEEN 222
Prerequisite: CEGL 106 or permission of the Director
Restriction: Only open to students in the Certificate of Proficiency - English for Professional Communication

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 202
Credit Weight: 3
Transcript Title: Intro: Engl Pronunciation Syst
Calendar Title: Introduction: English Pronunciation System.
Description:
Further opportunities, beyond those provided in the core courses of the low-intermediate and mid-intermediate levels, for students to develop their English pronunciation skills, with a goal of increasing their comprehensibility. The course is designed to help students develop a knowledge of the segmental sounds of the English language and the method and location for producing these sounds. In addition, students will be introduced to word stress.

Notes:
Corequisite(s): CEEN 211, CEEN 212
Prerequisite(s): CEGL 106 or permission of the Director
Restriction: Only open to students in the Certificate in Proficiency in English for Professional Communication

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 211
Credit Weight: 3
Transcript Title: Functional Eng. Gram/Writing 1
Calendar Title: Functional English Grammar/Writing 1.
Description:
Designed for students at a Low Intermediate level wishing to acquire competency in reading and writing at this level. Vocabulary and grammar through written/oral exercises and communicative activities embedded in social/work related situations, including linguistic accuracy needed in socio-cultural settings and in professional life. / Ce cours s'adresse aux étudiants de niveau intermédiaire bas qui veulent développer, en compréhension et expression écrites, une compétence propre à ce niveau. L'étude du vocabulaire et de la grammaire se fait par le biais d'exercices écrits et oraux, ainsi que par des activités communicatives contextualisées dans des situations socioculturelles et professionnelles. L'accent est mis sur la précision linguistique requise pour être efficace en société et au travail.

Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisite: CEGL 106 or Entrance Placement Test or Permission of the Director
Corequisite: CEEN 212
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 212
Credit Weight: 3
Transcript Title: Eng. Communication Practice 1
Calendar Title: English Communication Practice 1.
Description:
Designed for students at a Low Intermediate level wishing to acquire oral and written communicative competence at this level. Vocabulary, grammar and strategies needed in professional life and in socio-cultural situations, including listening and communicative skills. / Ce cours s'adresse aux étudiants de niveau intermédiaire bas qui veulent développer, en communication orale et écrite, une compétence propre à ce niveau. Il vise à développer le vocabulaire, la grammaire et les stratégies nécessaires pour interagir dans la vie professionnelle et dans diverses situations socioculturelles. L'accent est mis sur l'écoute et l'aptitude à communiquer.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisite: CEGL 106 or Entrance Placement Test or Permission of the Director
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Continuing Studies PTP program
Early opening registration date for CS courses only
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 221
Credit Weight: 3
Transcript Title: Functional Eng. Gram/Writing 2
Calendar Title: Functional English Grammar/Writing 2.
Description:
Designed for students at a Mid Intermediate level wishing to acquire competency in reading and writing at this level. Vocabulary and grammar through written/oral exercises and communicative activities embedded in social/work related situations, including linguistic accuracy needed in socio-cultural settings and in professional life. / Ce cours s'adresse aux étudiants de niveau intermédiaire moyen qui veulent développer, en compréhension et expression écrites, une compétence propre à ce niveau. L'étude du vocabulaire et de la grammaire se fait par le biais d'exercices écrits et oraux, ainsi que par des activités communicatives contextualisées dans des situations socioculturelles et professionnelles. L'accent est mis sur la précision linguistique requise pour être efficace en société et au travail.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEEN 211 and CEEN 212 or Entrance Placement Test or Permission of the Director
Corequisite: CEEN 222
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Active

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**CEEN 222**

**Credit Weight:** 3

**Transcript Title:** Eng. Communication Practice 2

**Calendar Title:** English Communication Practice 2.

**Description:**
Designed for students at a Mid Intermediate level wishing to acquire oral and written communicative competence at this level. Vocabulary, grammar and strategies needed in professional life and in socio-cultural situations, including listening and communicative skills. / Ce cours s'adresse aux étudiants de niveau intermédiaire moyen qui veulent développer, en communication orale et écrite, une compétence propre à ce niveau. Il vise à développer le vocabulaire, la grammaire et les stratégies nécessaires pour interagir dans la vie professionnelle et dans diverses situations socioculturelles. L'accent est mis sur l'écoute et l'aptitude à communiquer.

**Symbols:** LIMT - Limited enrolment

**Notes:**
- 39 hours
- Prerequisites: CEEN 211 and CEEN 212 or Entrance Placement Test or Permission of the Director
- Corequisite: CEEN 221

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

Continuing Studies PTP program
Early opening registration date for CS courses only

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Active

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**CEEN 266**

**Credit Weight:** 3

**Transcript Title:** Intro to Creative Writing

**Calendar Title:** Introduction to Creative Writing.

**Description:**
Further opportunities, beyond those provided in the core courses of the intermediate-mid level, for students to develop their English writing skills. The course is designed to encourage students to further develop their English writing capabilities by developing an understanding of different styles of creative writing through reading and analyzing short texts, and by developing creative ideas and expressing them through paragraph writing.

**Notes:**
- Corequisite(s): CEEN 221, CEEN 222
- Prerequisite(s): CEEN 211, CEEN 212 or permission of the Director
- Restriction: Only open to students in the Certificate in Proficiency in English for Professional Communication.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Active
CEEN 267
Credit Weight: 3
Transcript Title: EST: The Story of Canada
Calendar Title: English Study Topics: The Story of Canada.
Description: Practice of English skills at the intermediate-mid level by reviewing material focused on the history of Canada, from pre-colonial Indigenous history to modern times.
Notes: Corequisite(s): CEEN 221, CEEN 222
Prerequisite(s): CEEN 211, CEEN 212, EPT - Placement test (Intermediate Mid), or permission of the department.
Please note: this course may be offered on a hybrid schedule, with some lectures delivered online.
As per the Department's internal program regulations, level advancement requires a minimum grade of B- (65).
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 301
Credit Weight: 3
Transcript Title: English Grammar in Context
Calendar Title: English Grammar in Context.
Description: This course is intended for ESL students who need further training in grammatical accuracy, applied grammar, and syntax. They will review the metalanguage necessary to facilitate their learning, review important grammatical structures and apply them in different professional and social contexts. / Ce cours s'adresse aux étudiants en anglais langue seconde (ESL), qui doivent en apprendre davantage au sujet du choix grammatical, de la grammaire appliquée et de la syntaxe. Ils y passeront en revue le métalangage nécessaire pour simplifier leur apprentissage et réviseront les structures grammaticales d'importance afin de les utiliser dans différents contextes professionnels et sociaux.
Notes: 39 hours
Prerequisites: CEEN 221 and CEEN 222, Entrance Placement Test, or Permission of the Director
Corequisites: CEEN 331 and/or CEEN 332
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 302
Credit Weight: 3
Transcript Title: Engl Pron: Stress&Intonation
Calendar Title: English Pronunciation: Stress and Intonation.
Description: Further opportunities, beyond those provided in the core courses of the intermediate-high level, for students to hone their English pronunciation skills,
with a goal of increasing their comprehensibility. The course is designed to encourage students to develop a knowledge of English pronunciation at the suprasegmental level. Students will further investigate word stress, and will be introduced to sentence stress, and intonation.

Notes:
Corequisite(s): CEEN 331, CEEN 332
Prerequisite(s): CEEN 221, CEEN 222 or permission of the Director.
Restriction: Only open to students in the Certificate in Proficiency in English for Professional Communication.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 331
Credit Weight: 3
Transcript Title: Functional Eng. Gram/Writing 3
Calendar Title: Functional English Grammar/Writing 3.
Description:
Designed for students at a High Intermediate level wishing to acquire competency in reading and writing at this level. Vocabulary and grammar through written/oral exercises and communicative activities embedded in social/work related situations, including linguistic accuracy needed in socio-cultural settings and in professional life. / Ce cours s'adresse aux étudiants de niveau intermédiaire élevé qui veulent développer, en compréhension et expression écrites, une compétence propre à ce niveau. L'étude du vocabulaire et de la grammaire se fait par le biais d'exercices écrits et oraux, ainsi que par des activités communicatives contextualisées dans des situations socioculturelles et professionnelles. L'accent est mis sur la précision linguistique requise pour être efficace en société et au travail.

Symbols:  LIMT - Limited enrolment

Notes:
39 hours
Prerequisites: CEEN 221 and CEEN 222 or Entrance Placement Test or Permission of the Director
Corequisite: CEEN 332
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 332
Credit Weight: 3
Transcript Title: Eng. Communication Practice 3
Calendar Title: English Communication Practice 3.
Description:
Designed for students at a High Intermediate level wishing to acquire oral and written communicative competence at this level. Vocabulary, grammar and strategies needed in professional life and in socio-cultural situations, including listening and communicative skills. / Ce cours s'adresse aux étudiants de niveau intermédiaire élevé qui veulent développer, en communication orale et écrite, une compétence propre à ce niveau. Il vise à développer le vocabulaire, la grammaire et les stratégies nécessaires pour interagir dans la vie professionnelle et dans diverses situations socioculturelles. L'accent est mis sur l'écoute et l'aptitude
à communiquer.

Symbols: LIMT - Limited enrolment

Notes:
39 hours

Prerequisites: CEEN 221 and CEEN 222 or Entrance Placement Test or Permission of the Director

Corequisite: CEEN 331

Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Continuing Studies PTP program

Early opening registration date for CS courses only

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CEEN 401

Credit Weight: 3

Transcript Title: English Vocabulary in Context

Calendar Title: English Vocabulary in Context.

Description:
Focuses on English communication through the study of vocabulary and its function in discourse. Broadens the field and mode of oral/written communication by developing "lexical competence". Identifies the nature and role of words, phrasal verbs and idioms through the study of semantics and intense practice of vocabulary in context./ Ce cours se concentre sur la communication par le truchement de l'étude du vocabulaire et de ses fonctions dans le discours. Il cherche à développer une véritable « compétence lexicale » tant à l'oral qu'à l'écrit. L'enrichissement du vocabulaire se fera par l'identification de la nature et du rôle des mots, des locutions ou des expressions figées, par l'étude des champs sémantiques et par une pratique intensive favorisant le réemploi en contexte.

Symbols: LIMT - Limited enrolment

Notes:
39 hours

Prerequisites: CEEN 331 and CEEN 332, or Entrance Placement Test (EPT), or Permission of the Director

Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CEEN 402

Credit Weight: 3

Transcript Title: English Comm&Cultural Patterns

Calendar Title: English Communication and Cultural Patterns.

Description:
Examines the impact of cultural patterns in communication in English. Intended for those visiting/working abroad, and/or dealing with international associates. Explores the fundamental cultural differences and business practices in the different regions of the world, and how the English language should be used in specific situations./ Destiné aux personnes qui séjournent ou travaillent à l'étranger, ou encore qui traitent avec des associés de divers pays, ce cours étudie l'effet des modèles culturels sur la communication en langue anglaise. Il inclut l'exploration des différences culturelles fondamentales et des pratiques commerciales en usage dans diverses régions du monde, de même que les différentes
façons dont la langue anglaise devrait être utilisée dans des cas bien précis.

Symbols: LIMT – Limited enrolment

Notes:

39 hours

Prerequisites: CEEN 331 and CEEN 332, or Entrance Placement Test (EPT), or Permission of the Director

Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Continuing Studies PTP program

Early opening registration date for CS courses only

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

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CEEN 403

Credit Weight: 3

Transcript Title: Strategic Comm in English

Calendar Title: Strategic Communication in English.

Description:

This course will prepare ESL/EFL students for specific types of strategic communication in organizations and interpersonal relationships at work. Students will develop discursive and pragmatic competence in oral and written communication as well as learn about factors that influence group communication in professional and social situations. / Ce cours préparera les étudiants en anglais langue seconde (ESL) ou étrangère (EFL) à élaborer des types précis de communication stratégique au sein d'entreprises et lors d'échanges interpersonnels au travail. Ils y acquerront des compétences discursives et pragmatiques en communication orale et écrite et ils en apprendront sur les facteurs qui influent sur les communications de groupe, tant professionnelles que sociales.

Notes:

39 hours

Prerequisites: CEEN 411 and CEEN 412, Entrance Placement Test, or Permission of the Director

Corequisites: CEEN 421 and/or CEEN 422

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

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CEEN 404

Credit Weight: 3

Transcript Title: Eng.Creative Non-fict.Writing

Calendar Title: English Creative Non-fiction Writing.

Description:

An exploration of creative non-fiction writing for ESL students. Students will read, write, and respond to creative non-fiction. An emphasis will be on narrative and descriptive forms.

Notes:

Corequisite: CEEN 421, CEEN 422.

Prerequisites: CEEN 411 and CEEN 412 or English Placement Test (EPT).

Restriction: Only open to students in the Certificate in Proficiency in English for Professional Communication.

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

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CEEN 411
Credit Weight: 3
Transcript Title: Eng. Gram/Writing Techniques
Calendar Title: English Grammar and Writing Techniques.
Description:
Designed for students at an advanced level. Reviews grammatical structures.
Explores specialized vocabulary and writing techniques for coherence, conciseness,
clarity, accuracy, style, tone and audience. Strategies for revising, editing and
effectively communicating the written message. / Ce cours propose aux étudiants
de niveau avancé une révision des règles grammaticales, un examen du vocabulaire
spécialisé et l'étude de stratégies permettant de rédiger avec plus de cohérence,
de clarté, de concision, de précision et d'efficacité. Le cours présente aussi
quelques techniques d'autocorrection.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEEN 331 and CEEN 332 or Entrance Placement Test or Permission of
the Director
Corequisite: CEEN 412
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 412
Credit Weight: 3
Transcript Title: Eng. Oral Comm. Techniques
Calendar Title: English Oral Communication Techniques.
Description:
Designed for students at an advanced level. Provides principles and practice of
effective oral communication. Focuses on accuracy, interaction, meaning, and
fluency in a variety of work-related situations, including techniques for
informative, persuasive, argumentative, and impromptu speaking. / Ce cours permet
aux étudiants de niveau avancé de développer et de mettre en pratique les
techniques nécessaires à une communication orale efficace. L'accent est mis sur la
précision linguistique, la compétence pragmatique et l'aisance requises dans une
variété de situations professionnelles. Des techniques propres à différents types
de discours (informatif, persuasif, argumentatif, impromptu) sont aussi
examinées.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEEN 331 and CEEN 332 or Entrance Placement Test or Permission of
the Director
Corequisite: CEEN 411
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CEEN 421
Credit Weight: 3
Transcript Title: Eng. Written Comm. Contexts
Calendar Title: English Written Communication Contexts.
Description:
Designed for students at an advanced level. Emphasizes formal and informal advanced written communication for social/professional purposes in inter-personal, group and organizational settings. Focuses on a variety of North American and international contexts./ Ce cours permet aux étudiants de niveau avancé de s'exercer à la rédaction d'une grande variété de communications écrites répondant à des objectifs sociaux ou professionnels spécifiques: lettres ou documents formels ou informels, adressés à des individus, à des groupes de personnes ou à des organismes. Ces communications sont étudiées dans des contextes nord-américains et internationaux.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEEN 411 and CEEN 412 or Entrance Placement Test or Permission of the Director
Corequisite: CEEN 422
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEEN 422
Credit Weight: 3
Transcript Title: Eng. Oral Comm. Contexts
Calendar Title: English Oral Communication Contexts.
Description:
Designed for students at an advanced level. Focuses on advanced formal and informal oral communication for social/professional purposes in inter-personal, group and organizational contexts. Explores the discourse of professional milieus in North American and international settings. / Ce cours permet aux étudiants de niveau avancé de s'exercer à une grande variété de communications orales répondant à des objectifs sociaux ou professionnels spécifiques : discours formels ou informels, adressés à des individus, à des groupes de personnes ou à des organismes. Ces communications orales sont étudiées dans des contextes nord-américains et internationaux.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEEN 411 and CEEN 412 or Entrance Placement Test or Permission of the Director
Corequisite: CEEN 421
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Continuing Studies PTP program
Early opening registration date for CS courses only
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CEFN 102
Credit Weight: 3
Transcript Title: Basic French
Calendar Title: Basic French.
Description:
For students with little or no knowledge of French, classes will provide instruction in listening, speaking, reading and writing. Course content, including grammatical structures, phonetics and thematic vocabulary, is aimed at helping the students develop the basic linguistic and communicative skills required to operate in simple day-to-day situations.
Notes:
Prerequisite: Entrance Placement Test or Permission of the Director.
Continuing Studies PTP program
Early opening registration date for CS courses only
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 104
Credit Weight: 3
Transcript Title: Elementary French
Calendar Title: Elementary French.
Description:
For students with basic knowledge of French, classes will provide instruction in listening, speaking, reading and writing. Course content, including grammar, phonetics, thematic vocabulary and functional expressions, is aimed at helping the students develop the basic linguistic and communicative skills required to operate in simple social contexts.
Notes:
Prerequisite(s): CEFN 102 or Entrance Placement Test or Permission of the Director.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 106
Credit Weight: 3
Transcript Title: Fund of French Grammar&Writing
Calendar Title: Fundamentals of French Grammar and Writing.
Description:
For students at an Elementary level wishing to acquire competency in reading and writing at this level. Vocabulary and grammar through written/oral exercises and communicative activities are aimed at helping students develop the linguistic skills required to operate in various simple social and cultural contexts.
Notes:
Prerequisite(s): CEFN 104 or CEFN 107 or Entrance Placement Test or Permission of the Director.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 107
Credit Weight: 3
Transcript Title: Fund of French Oral Comm
Calendar Title: Fundamentals of French Oral Communication.
Description:
For students at an Elementary level wishing to acquire oral and written communicative competence at this level. Vocabulary, grammar and strategies are aimed at helping students develop listening and communicative skills required to operate in various simple social and cultural contexts.
Notes:
Prerequisite(s): CEFN 104 or CEFN 106 or Entrance Placement Test or Permission of the Director.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 211
Credit Weight: 3
Transcript Title: Functional Fre.Gram/Writing 1
Calendar Title: Functional French Grammar/Writing 1.
Description:
Designed for students at a Low Intermediate level wishing to acquire competency in reading and writing at this level. Vocabulary and grammar through written/oral exercises and communicative activities embedded in social/work related situations, including linguistic accuracy needed in socio-cultural settings and in professional life. / Ce cours s'adresse aux étudiants de niveau intermédiaire bas qui veulent développer, en compréhension et expression écrites, une compétence propre à ce niveau. L'étude du vocabulaire et de la grammaire se fait par le biais d'exercices écrits et oraux, ainsi que par des activités communicatives menées dans un contexte socioculturel et professionnel. L'accent est mis sur la précision linguistique requise pour être efficace en société et au travail.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisite: CEFN 106 AND CEFN 107, or Entrance Placement Test, or Permission of the Director.
Corequisite: CEFN 212
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 212
Credit Weight: 3
Transcript Title: French CommunicationPractice 1
Calendar Title: French Communication Practice 1.
Description:
Designed for students at a Low Intermediate level wishing to acquire oral and written communicative competence at this level. Vocabulary, grammar and strategies needed in professional life and in socio-cultural situations, including listening and communicative skills. / Ce cours s'adresse aux étudiants de niveau intermédiaire bas qui veulent développer, en communication orale et écrite, une compétence propre à ce niveau. Il vise à développer le vocabulaire, la grammaire et les stratégies nécessaires pour interagir dans la vie professionnelle et dans diverses situations socioculturelles. L'accent est mis sur l'écoute et l'aptitude à communiquer.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisite: CEFN 106 AND CEFN 107, or Entrance Placement Test, or Permission of
the Director.
Corequisite: CEFN 211
Continuing Studies PTP program
Early opening registration date for CS courses only
**Due to the intensive nature of this course, the standard add/drop and 
withdrawal deadlines do not apply. Add/drop is the second lecture day and 
withdrawal is the fifth lecture day.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

** CEFN 221
Credit Weight: 3
Transcript Title: Functional Fre. Gram/Writing 2
Calendar Title: Functional French Grammar/Writing 2.
Description:
Designed for students at a Mid Intermediate level wishing to acquire competency in 
reading and writing at this level. Vocabulary and grammar through written/oral 
exercises and communicative activities embedded in social/work related situations, 
including linguistic accuracy needed in socio-cultural settings and in 
professional life. / Ce cours s'adresse aux étudiants de niveau intermédiaire 
moyen qui veulent développer, en compréhension et expression écrites, une 
compétence propre à ce niveau. L'étude du vocabulaire et de la grammaire se fait 
par le biais d'exercices écrits et oraux, ainsi que par des activités 
communicatives menées dans un contexte socioculturel et professionnel. L'accent 
est mis sur la précision linguistique requise pour être efficace en société et au 
travail.
Symbol: LIMT - Limited enrolment
Notes: 
39 hours
Prerequisites: CEFN 211 and CEFN 212 or Entrance Placement Test or Permission of 
the Director
Corequisite: CEFN 222

** CEFN 222
Credit Weight: 3
Transcript Title: Fre. Communication Practice 2
Calendar Title: French Communication Practice 2.
Description:
Designed for students at a Mid Intermediate level wishing to acquire oral and 
written communicative competence at this level. Vocabulary, grammar and strategies 
needed in professional life and in socio-cultural situations, including listening 
and communicative skills. / Ce cours s'adresse aux étudiants de niveau 
intermédiaire moyen qui veulent développer, en communication orale et écrite, une 
compétence propre à ce niveau. Il vise à développer le vocabulaire, la grammaire 
et les stratégies nécessaires pour interagir dans la vie professionnelle et dans 
diverses situations socioculturelles. L'accent est mis sur l'écoute et l'aptitude 
à communiquer.
Symbol: LIMT - Limited enrolment
Notes: 
39 hours
Prerequisites: CEFN 211 and CEFN 212 or Entrance Placement Test or Permission of 
the Director
Corequisite: CEFN 221
Continuing Studies PTP program

Early opening registration date for CS courses only

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Active

**CEFN 331**

**Credit Weight:** 3

**Transcript Title:** Functional Fre. Gram/Writing 3

**Calendar Title:** Functional French Grammar/Writing 3.

**Description:**

Designed for students at a High Intermediate level wishing to acquire competency in reading and writing at this level. Vocabulary and grammar through written/oral exercises and communicative activities embedded in social/work related situations, including linguistic accuracy needed in socio-cultural settings and in professional life. / Ce cours s'adresse aux étudiants de niveau intermédiaire élevé qui veulent développer, en compréhension et expression écrites, une compétence propre à ce niveau. L'étude du vocabulaire et de la grammaire se fait par le biais d'exercices écrits et oraux, ainsi que par des activités communicatives menées dans un contexte socioculturel et professionnel. L'accent est mis sur la précision linguistique requise pour être efficace en société et au travail.

**Symbols:** LIMT - Limited enrolment

**Notes:**

39 hours

Prerequisites: CEFN 221 and CEFN 222 or Entrance Placement Test or Permission of the Director

Corequisite: CEFN 332

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Active

**CEFN 332**

**Credit Weight:** 3

**Transcript Title:** Fre. Communication Practice 3

**Calendar Title:** French Communication Practice 3.

**Description:**

Designed for students at a High Intermediate level wishing to acquire oral and written communicative competence at this level. Vocabulary, grammar and strategies needed in professional life and in socio-cultural situations, including listening and communicative skills. / Ce cours s'adresse aux étudiants de niveau intermédiaire élevé qui veulent développer, en communication orale et écrite, une compétence propre à ce niveau. Il vise à développer le vocabulaire, la grammaire et les stratégies nécessaires pour interagir dans la vie professionnelle et dans diverses situations socioculturelles. L'accent est mis sur l'écoute et l'aptitude à communiquer.

**Symbols:** LIMT - Limited enrolment

**Notes:**

39 hours

Prerequisites: CEFN 221 and CEFN 222 or Entrance Placement Test or Permission of the Director

Corequisite: CEFN 331

**Administering Faculty:** School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 401
Credit Weight: 3
Transcript Title: French Vocabulary in Context
Calendar Title: French Vocabulary in Context.
Description: Focuses on French communication through the study of vocabulary and its function in discourse. Broadens the field and mode of oral/written communication by developing "lexical competence". Identifies the nature and role of words, phrases and idioms through the study of semantics and intense practice of vocabulary in context./ Ce cours se concentre sur la communication par le truchement de l'étude du vocabulaire et de ses fonctions dans le discours. Il cherche à développer une véritable « compétence lexicale » tant à l'oral qu'à l'écrit. L'enrichissement du vocabulaire se fera par l'identification de la nature et du rôle des mots, des locutions ou des expressions figées, par l'étude des champs sémantiques et par une pratique intensive favorisant le réemploi en contexte.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEFN 331 and CEFN 332, or Entrance Placement Test, or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 402
Credit Weight: 3
Transcript Title: Persuasive French in Comm
Calendar Title: Persuasive French in Communication.
Description: Development of oral and written skills necessary for efficient communication in persuasive and argumentative situations, including argumentation mechanisms, and a study of linguistic and discursive elements for the convincing transmission of complex ideas./ Ce cours vise à développer, tant à l'oral qu'à l'écrit, les compétences nécessaires pour communiquer efficacement dans des échanges argumentés. Il traite des mécanismes de l'argumentation et propose une étude des éléments linguistiques et discursifs permettant une transmission convaincante d'idées complexes.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEFN 331 and CEFN 332, or Entrance Placement Test, or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 411
Credit Weight: 3
Transcript Title: Fre. Gram/Writing Techniques
Calendar Title: French Grammar/Writing Techniques.
Description: Designed for students at an advanced level. Reviews grammatical structures. Explores specialized vocabulary and writing techniques for coherence, conciseness,
clarity, accuracy, style, tone and audience. Strategies for revising, editing and effectively communicating the written message. / Ce cours propose aux étudiants de niveau avancé une révision des règles grammaticales, un examen du vocabulaire spécialisé et l'étude de stratégies permettant de rédiger avec plus de cohérence, de clarté, de concision, de précision et d'efficacité. Le cours présente aussi quelques techniques d'autocorrection.

Symbols: LIMT - Limited enrolment

Notes:
39 hours

Prerequisites: CEFN 331 and CEFN 332 or Entrance Placement Test or Permission of the Director

Corequisite: CEFN 412

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CEFN 412

Credit Weight: 3

Transcript Title: Fre. Oral Comm. Techniques

Calendar Title: French Oral Communication Techniques.

Description:
Designed for students at an advanced level. Provides principles and practice of effective oral communication. Focuses on accuracy, interaction, meaning, and fluency in a variety of work-related situations, including techniques for informative, persuasive, argumentative, and impromptu speaking. / Ce cours permet aux étudiants de niveau avancé de développer et de mettre en pratique les techniques nécessaires à une communication orale efficace. L'accent est mis sur la précision linguistique, la compétence pragmatique et l'aisance requises dans une variété de situations professionnelles. Des techniques propres à différents types de discours (informatif, persuasif, argumentatif, impromptu) sont aussi examinées.

Symbols: LIMT - Limited enrolment

Notes:
39 hours

Prerequisites: CEFN 331 and CEFN 332 or Entrance Placement Test or Permission of the Director

Corequisite: CEFN 411

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CEFN 421

Credit Weight: 3

Transcript Title: Fre. Written Comm. Contexts

Calendar Title: French Written Communication Contexts.

Description:
Designed for students at an advanced level. Emphasizes formal and informal advanced written communication for social/professional purposes in inter-personal, group and organizational settings. Focuses on a variety of North American and international contexts. / Ce cours permet aux étudiants de niveau avancé de s'exercer à la rédaction d'une grande variété de communications écrites répondant à des objectifs sociaux ou professionnels spécifiques: lettres ou documents formels ou informels, adressés à des individus, à des groupes de personnes ou à des organismes. Ces communications sont étudiées dans des contextes nord-américains et internationaux.

Symbols: LIMT - Limited enrolment

Notes:
39 hours
Prerequisites: CEFN 411 and CEFN 412 or Entrance Placement Test or Permission of the Director
Corequisite: CEFN 422
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEFN 422
Credit Weight: 3
Transcript Title: Fre. Oral Comm. Contexts
Calendar Title: French Oral Communication Contexts.
Description:
Designed for students at an advanced level. Focuses on advanced formal and informal oral communication for social/professional purposes in inter-personal, group and organizational contexts. Explores the discourse of professional milieus in North American and international settings. / Ce cours permet aux étudiants de niveau avancé de s'exercer à une grande variété de communications orales répondant à des objectifs sociaux ou professionnels spécifiques : discours formels ou informels, adressés à des individus, à des groupes de personnes ou à des organismes. Ces communications orales sont étudiées dans des contextes nord-américains et internationaux.
Symbols: LIMT - Limited enrolment
Notes:
39 hours
Prerequisites: CEFN 411 and CEFN 412 or Entrance Placement Test or Permission of the Director
Corequisite: CEFN 421
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CEGL 110
Credit Weight: 5
Transcript Title: English Comm. Level 1A
Calendar Title: English Communication Level 1A.
Description: First of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 120
Credit Weight: 5
Transcript Title: English Comm. Level 1B
Calendar Title: English Communication Level 1B.
Description: Second of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: CEGL 110, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 130
Credit Weight: 5
Transcript Title: English Comm. Level 1C
Calendar Title: English Communication Level 1C.
Description: Third of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: CEGL 120, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 140
Credit Weight: 5
Transcript Title: English Comm. Level 1D
Calendar Title: English Communication Level 1D.
Description: Last of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 130, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 170
Credit Weight: 6
Transcript Title: Elem1EssentEng-Health Services
Calendar Title: Elementary 1 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have no functional ability in English. Focuses on basic English language skills for professional purposes.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 171

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 171
Credit Weight: 4
Transcript Title: Elem1 Eng Conv-Health Services
Calendar Title: Elementary 1 English Conversation for Health Services.
Description:
Focuses on basic English language speaking and listening comprehension skills essential to healthcare and social services providers, as well as for frontline administrative support staff who have no knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 170

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 172
Credit Weight: 6
Transcript Title: Elem2EssentEng-Health Services
Calendar Title: Elementary 2 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a limited functional ability in English. Focuses on elementary English language skills for professional purposes.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 173

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 173
Credit Weight: 4
Transcript Title: Elem2 Eng Conv-Health Services
Calendar Title: Elementary 2 English Conversation for Health Services.
Description:
Focuses on elementary English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have limited knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 173

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 174
Credit Weight: 6
Transcript Title: Elem3EssentEng-Health Services
Calendar Title: Elementary 3 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a functional ability in English. Focuses on high elementary English language skills for professional purposes.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 175

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 175
Credit Weight: 4
Transcript Title: Elem3 Eng Conv-Health Services
Calendar Title: Elementary 3 English Conversation for Health Services.
Description:
Focuses on high elementary English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have a functional knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 174

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 210
Credit Weight: 5
Transcript Title: English Comm. Level 2A
Calendar Title: English Communication Level 2A.
Description:
First of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.

Symbols:  LIMT - Limited enrolment

Notes:
Prerequisite: CEGL 140, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active
CEGL 213
Credit Weight: 20
Transcript Title: Engl Lang & Cult - Elem 1
Calendar Title: English Language and Culture - Elementary 1.
Description:
Speaking, writing, listening, and reading at a lower-elementary English level. Essential linguistic, communicative, and socio-cultural skills required to function in familiar situations related to daily life and familiar interactions. Strategies for independent learning and cultural discovery.
Notes:
This course is subject to limited enrolment.
Prerequisite: Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEGL 215
Credit Weight: 8
Transcript Title: English Grammar at Work
Calendar Title: English Grammar at Work.
Description:
Designed for students at a mid-intermediate level wishing to improve their grammatical accuracy in written communication for the workplace at that level. Explores English grammatical rules, thematic vocabulary, and self-correction strategies through a variety of exercises and writing tasks embedded in common work-related situations.
Notes:
Prerequisite: Placement Test of Written English (PTWE) or Permission of the Director
Corequisite: CEGL 216
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 216
Credit Weight: 8
Transcript Title: Eng Gram&Writing in Context 1
Calendar Title: English Grammar and Writing in Context 1.
Description:
Designed for students at a mid-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of English grammar at the sentence level, thematic vocabulary and self correction strategies through a variety of learning activities embedded in common work related situations.
Notes:
Prerequisite: Placement Test of Written English (PTWE) or Permission of the Director
Corequisite: CEGL 215
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 220
Credit Weight: 5
Transcript Title: English Comm. Level 2B
Calendar Title: English Communication Level 2B.
Description:
Second of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistics and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.

Symbols: LIMT - Limited enrolment

Notes:
Prerequisite: CEGL 210, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies

Teaching Department: Language & Intercultural Comm.

Status (catalog level): Active

CEGL 223
Credit Weight: 20
Transcript Title: Engl Lang & Cult - Elem 2
Calendar Title: English Language and Culture - Elementary 2.

Description:
Speaking, writing, listening, and reading at a higher-elementary English level. Essential linguistic, communicative, and socio-cultural skills required to function in real-life situations related to personal life. Strategies for independent learning and cultural discovery.

Notes:
This course is subject to limited enrolment.
Prerequisite: CEGL 213 or Entrance Placement Test or Permission of the Director

Administering Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CEGL 230
Credit Weight: 5
Transcript Title: English Comm. Level 2C
Calendar Title: English Communication Level 2C.

Description:
Third of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistics and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.

Symbols: LIMT - Limited enrolment

Notes:
Prerequisite: CEGL 220, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies

Teaching Department: Language & Intercultural Comm.

Status (catalog level): Active

CEGL 238
Credit Weight: 6
Transcript Title: Pronunciation Clinic 2
Calendar Title: Pronunciation Clinic 2.

Description:
For students with a mid-intermediate to advanced knowledge of English who wish to improve their pronunciation. A comprehensive overview of the English sound system with an emphasis on supra-segmentals, stress and intonation. Special attention will be given to individual pronunciation problems. / Pour les étudiants de niveau intermédiaire moyen et élevé et de niveau avancé qui souhaitent corriger ou
améliorer leur prononciation en anglais. Une révision complète du système des sons
de la langue anglaise avec un accent particulier sur les supra-segments,
l'accentuation et l'intonation. Pédagogie dynamique. Les problèmes individuels
seront traités avec une attention toute particulière.

Symbols: LIMT - Limited enrolment
Notes:
30 hrs
Prerequisite: CEGL 228 or CEEN 221 and CEEN 222 or permission of Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 240
Credit Weight: 5
Transcript Title: English Comm. Level 2D
Calendar Title: English Communication Level 2D.
Description:
Fourth of six intermediate-level workshops/courses designed for specific
professional purposes. Develops linguistics and communicative competence
applicable to targeted work-related situations, preparing learners for interaction
in English in the real world.

Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 230, Entrance Placement Test (EPT), or Permission of the
Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 250
Credit Weight: 5
Transcript Title: English Comm. Level 2E
Calendar Title: English Communication Level 2E.
Description:
Fifth of six intermediate-level workshops/courses designed for specific
professional purposes. Develops linguistics and communicative competence
applicable to targeted work-related situations, preparing learners for interaction
in English in the real world.

Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 240, Entrance Placement Test (EPT), or Permission of the
Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 254
Credit Weight: 12
Transcript Title: Advanced English 1
Calendar Title: Advanced English 1.
Description:
Academic and business writing techniques, including note-taking, essays, and
letters of request and reply.

Symbols: LIMT - Limited enrolment
Notes:
Prerequisites: CEGL 243 or Michigan Test of English Proficiency (80-85%) or
permission of the instructor
50 hour in-class instruction / 10 hour mandatory on-line instruction. For more information: www.cce.mcgill.ca/english.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 260
Credit Weight: 5
Transcript Title: English Comm. Level 2F
Calendar Title: English Communication Level 2F.
Description:
Last of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.

Symbols: LIMT - Limited enrolment

Notes:
Prerequisite: CEGL 250, Entrance Placement Test (EPT), or Permission of the Director

CEGL 270
Credit Weight: 6
Transcript Title: Inter1EssentEng-HealthServices
Calendar Title: Intermediate 1 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a solid foundation in elementary English. Focuses on linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in their respective milieus.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 271

CEGL 271
Credit Weight: 4
Transcript Title: Inter1Eng Conv-Health Services
Calendar Title: Intermediate 1 English Conversation for Health Services.
Description:
Focuses on low-intermediate English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have a solid foundation in elementary English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 270
CEGL 272
Credit Weight: 6
Transcript Title: Inter2EssentEng-HealthServices
Calendar Title: Intermediate 2 Essential English for Health Services.
Description: Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a low-intermediate level of proficiency in English. Focuses on linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in their respective milieus.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 273
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 273
Credit Weight: 4
Transcript Title: Inter2Eng Conv-Health Services
Calendar Title: Intermediate 2 English Conversation for Health Services.
Description: Focuses on mid-intermediate English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have a low-intermediate proficiency in English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 272
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 274
Credit Weight: 6
Transcript Title: Inter3EssentEng-HealthServices
Calendar Title: Intermediate 3 Essential English for Health Services.
Description: Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a mid-intermediate level of proficiency in English. Focuses on linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in their respective milieus.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 275
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 275
Credit Weight: 4
Transcript Title: Inter3 EngConv-Health Services
Calendar Title: Intermediate 3 English Conversation for Health Services.
Description:
Focuses on high-intermediate English language speaking and listening comprehension skills essential to healthcare and social services providers, as well as for frontline administrative support staff who have a mid-intermediate proficiency in English.

**Notes:**
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 274

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Language & Intercultural Comm.

**Status (catalog level):** Active

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**CEGL 300**

**Credit Weight:** 16

**Transcript Title:** Spec ESL for Acad/Pro Purposes

**Calendar Title:** Specialized ESL for Academic/Professional Purposes.

**Description:**
This course develops linguistic, communicative, functional, discursive and socio-cultural competencies. Learners will put into practice various techniques necessary for effective oral and written communication in academic and professional contexts.

**Notes:**
Prerequisite: Entrance Placement Test, or Permission of the Director

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Language & Intercultural Comm.

**Status (catalog level):** Active

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**CEGL 301**

**Credit Weight:** 16

**Transcript Title:** Lang.forSpecPurp:Tourism Bus.

**Calendar Title:** Language for Specific Purposes: Tourism Business.

**Description:**
This specialized, industry-specific language course develops linguistic, communicative, functional, discursive and socio-cultural competencies in English as a second/foreign language. Learners will put into practice various techniques necessary for effective strategic and intercultural communication necessary in the business of tourism.

**Notes:**
Prerequisite: Entrance Placement Test, or Permission of the Director
Only available for group enrolment (as part of customized training)

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Language & Intercultural Comm.

**Status (catalog level):** Active

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**CEGL 310**

**Credit Weight:** 5

**Transcript Title:** English Comm. Level 3A

**Calendar Title:** English Communication Level 3A.

**Description:**
First of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistic and communicative skills in selected in work-related contexts.

**Symbols:** LIMT - Limited enrolment

**Notes:**
Prerequisite: CEGL 260, Entrance Placement Test (EPT), or Permission of the Director

**Administering Faculty:** School of Continuing Studies
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active

CEGL 313  
Credit Weight: 20  
Transcript Title: Engl Lang & Cult - Intermed 1  
Calendar Title: English Language and Culture - Intermediate 1.  
Description:  
Speaking, writing, listening, and reading at a lower-intermediate English level. Essential linguistic, communicative, and socio-cultural skills required to initiate and respond to spontaneous interactions in a variety of real-life situations. Strategies for independent learning and cultural discovery.  
Symbols: LIMT - Limited enrolment  
Notes:  
This course is subject to limited enrolment  
Prerequisites: CEGL 223, or Entrance Placement Test or Permission of the Director  
Administering Faculty: School of Continuing Studies  
Teaching Department: Global & Strategic Comm.  
Status (catalog level): Active

CEGL 315  
Credit Weight: 8  
Transcript Title: Eng Gram&Writing in Context 2  
Calendar Title: English Grammar and Writing in Context 2.  
Description:  
Designed for students at a high-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of English grammar at the complex sentence level, thematic vocabulary and self correction strategies through a wide range of learning activities embedded in various work related situations.  
Notes:  
Prerequisites: CEGL 215 and CEGL 216, Placement Test of Written English (PTWE) or Permission of the Director.  
Corequisite: CEGL 316.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active

CEGL 316  
Credit Weight: 8  
Transcript Title: Eng Vocabulary for Workplace  
Calendar Title: English Vocabulary for Workplace.  
Description:  
Designed for students at a high-intermediate level wishing to develop their writing skills at that level. Broadens the scope of written communication through the study of vocabulary and its function in discourse. Identifies the nature and role of words, phrases and idioms through intense practice of vocabulary in workplace contexts.  
Notes:  
Prerequisites: CEGL 215 and CEGL 216, Placement Test of Written English (PTWE) or Permission of the Director.  
Corequisite: CEGL 315.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active
CEGL 320
Credit Weight: 5
Transcript Title: English Comm. Level 3B
Calendar Title: English Communication Level 3B.
Description: Second of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistic and communicative skills in selected work-related contexts.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: CEGL 310, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 323
Credit Weight: 20
Transcript Title: Engl Lang & Cult - Intermed 2
Calendar Title: English Language and Culture - Intermediate 2.
Description: Speaking, writing, listening, and reading at a mid-intermediate English level. Essential linguistic, communicative, and socio-cultural skills required to engage effectively with English language media and real-time interactions with native/near-native speakers of English. Strategies for independent learning and cultural discovery.
Symbols: LIMT - Limited enrolment
Notes: This course is subject to limited enrolment
Prerequisites: CEGL 313, or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEGL 330
Credit Weight: 5
Transcript Title: English Comm. Level 3C
Calendar Title: English Communication Level 3C.
Description: Third of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistic and communicative skills in selected in work-related contexts.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: CEGL 320, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 333
Credit Weight: 20
Transcript Title: Engl Lang & Cult - Intermed 3
Calendar Title: English Language and Culture - Intermediate 3.
Description:
Speaking, writing, listening, and reading at a higher-intermediate English level. Essential linguistic, communicative, and socio-cultural skills required to understand nuance in public discourse and critically analyze message and meaning. Strategies for independent learning and cultural discovery.

Symbols:  LIMT - Limited enrolment
Notes: This course is subject to limited enrolment
Prerequisites: CEGL 323, Entrance Placement Test or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CEGL 340
Credit Weight: 5
Transcript Title: English Comm. Level 3D
Calendar Title: English Communication Level 3D.
Description: Last of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistics and communicative skills in selected in work-related contexts.
Symbols:  LIMT - Limited enrolment
Notes: Prerequisite: CEGL 330, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.

Status (catalog level): Active

CEGL 344
Credit Weight: 20
Transcript Title: Intensive English/Short Course
Calendar Title: Intensive English/Short Course.
Description: The development of English language communication skills and intercultural awareness through active learning methodologies.
Symbols:  LIMT - Limited enrolment

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.

Status (catalog level): Active

CEGL 355
Credit Weight: 20
Transcript Title: Engl Lang & Cult Bridge
Calendar Title: English Language and Culture ¿ Bridge.
Description: Consolidation of fundamental speaking, writing, listening, and reading skills in English in preparation for study at the advanced levels. Review of learning strategies to reinforce linguistic skills and confidence. Exploration of the creative power of language. Strategies for independent learning and cultural discovery.
Symbols:  LIMT - Limited enrolment
Notes: This course is subject to limited enrolment
Prerequisites: CEGL 333, or Entrance Placement Test or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEGL 370
Credit Weight: 6
Transcript Title: Adv 1 Essential Eng-Healthcare
Calendar Title: Advanced 1 Essential English for Healthcare.
Description: Intended for healthcare providers who have a high-intermediate knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
Notes: Corequisite(s): CEGL 371
Prerequisite(s): Entrance Placement Test, or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 371
Credit Weight: 4
Transcript Title: Adv 1 English Conv-Healthcare
Calendar Title: Advanced 1 English Conversation for Healthcare.
Description: Focuses on advanced English language speaking and listening comprehension skills essential to healthcare providers who have a high-intermediate knowledge of English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 370

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 372
Credit Weight: 6
Transcript Title: Adv 2 Essential Eng-Healthcare
Calendar Title: Advanced 2 Essential English for Healthcare.
Description: Intended for healthcare providers who have an advanced knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 373

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 373
Credit Weight: 4
Transcript Title: Adv 2 English Conv-Healthcare
Calendar Title: Advanced 2 English Conversation for Healthcare.
Description: Focuses on superior English language speaking and listening comprehension skills essential to healthcare providers who have an advanced knowledge of English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 372
Administering Faculty: School of Continuing Studies  
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active

CEGL 380  
Credit Weight: 6  
Transcript Title: Adv1Essent Eng-Social Services  
Calendar Title: Advanced 1 Essential English for Social Services.  
Description:  
Intended for social services providers who have a high-intermediate knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.  
Notes:  
Prerequisite(s): Entrance Placement Test, or Permission of the Director  
Corequisite(s): CEGL 381  
Administering Faculty: School of Continuing Studies  
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active

CEGL 381  
Credit Weight: 4  
Transcript Title: Adv 1 Eng Conv-Social Services  
Calendar Title: Advanced 1 English Conversation for Social Services.  
Description:  
Focuses on advanced English language speaking and listening comprehension skills essential to social services providers who have a high-intermediate knowledge of English.  
Notes:  
Prerequisite(s): Entrance Placement Test, or Permission of the Director  
Corequisite(s): CEGL 380  
Administering Faculty: School of Continuing Studies  
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active

CEGL 382  
Credit Weight: 6  
Transcript Title: Adv2Essent Eng-Social Services  
Calendar Title: Advanced 2 Essential English for Social Services.  
Description:  
Intended for social services providers with an advanced knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.  
Notes:  
Prerequisite(s): Entrance Placement Test, or Permission of the Director  
Corequisite(s): CEGL 383  
Administering Faculty: School of Continuing Studies  
Teaching Department: Language & Intercultural Comm.  
Status (catalog level): Active

CEGL 383  
Credit Weight: 4  
Transcript Title: Adv 2 Eng Conv-Social Services  
Calendar Title: Advanced 2 English Conversation for Social Services.  
Description:  
Focuses on superior English language speaking and listening comprehension skills essential to social services providers who have an advanced knowledge of English.  
Notes:
CEGL 390
Credit Weight: 6
Transcript Title: Adv 1 Essential English-Frontline Healthcare Admin.
Calendar Title: Adv. 1-Essential English - Frontline Healthcare Admin.
Description: Intended for frontline administrative staff in the healthcare and social services sectors who have a high-intermediate knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 391
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 391
Credit Weight: 4
Transcript Title: Adv 1 English Conversation-Frontline Healthcare Admin.
Calendar Title: Adv 1 English Conversation-Frontline Healthcare Admin.
Description: Focuses on advanced English language speaking and listening comprehension skills essential to frontline administrative staff in the healthcare and social services sectors who have a high-intermediate knowledge of English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 390
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 392
Credit Weight: 6
Transcript Title: Adv 2 Essential English-Frontline Healthcare Admin.
Calendar Title: Advanced 2 Essential English-Frontline Healthcare Admin.
Description: Intended for frontline administrative staff in the healthcare and social services sectors who have an advanced knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 393
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 393
Credit Weight: 4
Transcript Title: Adv 2 English Conversation-Frontline Healthcare Admin.
Calendar Title: Adv 2 English Conversation-Frontline Healthcare Admin.
Description:
Focuses on superior English language speaking and listening comprehension skills essential to frontline administrative staff in the healthcare and social services sectors who have an advanced knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 392
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 400
Credit Weight: 10
Transcript Title: Phys.Env, Sustain&Contemp Cult
Calendar Title: Physical Environment, Sustainability & Contemporary Culture.
Description: This course enhances the learner's English communication skills while exploring the impact of contemporary culture on the physical environment, focusing on questions of identity, tradition, values, progress, development, and sustainability.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Only available for group enrolment (as part of customized training)
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 401
Credit Weight: 10
Transcript Title: Ling&Cult Diversity in Quebec
Calendar Title: Linguistic and Cultural Diversity in Quebec.
Description: This course develops linguistic, communicative, functional, discursive and socio-cultural competencies in English as well as critical thinking. Learners will put into practice various techniques necessary for effective intercultural communication in academic and professional settings while exploring the historical, social, political, and cultural perspectives of diversity in Quebec.
Notes:
Only available for group enrolment (as part of customized training)
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 402
Credit Weight: 3
Transcript Title: Effective Comm. for Teachers
Calendar Title: Effective Communication for Teachers.
Description: Specialized language and strategies for effective oral and written communication for non-native English-speaking teachers.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Intermediate level on Entrance Placement Test
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active
CEGL 403
Credit Weight: 3
Transcript Title: Teach & Learn Methodologies
Calendar Title: Teaching and Learning Methodologies.
Description:
Collaborative teaching and learning and other methodologies as related to general education and second language acquisition. Emphasis on practical applications in the ESL classroom.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Intermediate level on Entrance Placement Test
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 404
Credit Weight: 3
Transcript Title: Pract&Spec Workshops for Teach
Calendar Title: Practicum and Specialized Workshops for Teachers.
Description:
Explores best practices in a variety of educational settings. Provides teachers with the opportunity to practice teaching, presenting, and leading activities in English in front of a real student audience and their peers.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Intermediate level on Entrance Placement Test
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 405
Credit Weight: 3
Transcript Title: Intercul Comm Chall in TESL
Calendar Title: Intercultural Communication Challenges in TESL.
Description:
Raises awareness of oneself as a cultural being and sensitizes educators to cultural issues, particularly in an ESL context. Explores the language and skills necessary for effective intercultural communication.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Intermediate level on Entrance Placement Test
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 406
Credit Weight: 24
Transcript Title: Internship for Prof Comm Purp
Calendar Title: Internship for Professional Communication Purposes.
Description:
Provides work-related language and intercultural communication training. Develops linguistic, communicative, functional, discursive and socio-cultural competencies. Provides the opportunity to develop oral and written professional communication skills and gain work experience in a diverse, bilingual work environment in Canada.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Intermediate level on Entrance Placement Test

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 407
Credit Weight: 10
Transcript Title: Eng/Intl Multilat Negotiations
Calendar Title: English for International Multilateral Negotiations.
Description:
Explores the English language and its relevance in international multilateral negotiations, creating an awareness of how the use of English can help or hinder the negotiation process. Identifies effective communication strategies for successful cross-cultural multilateral negotiations, particularly in the context of our rapidly changing, increasingly competitive, globalized world.

Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director.
This transcript course is open to undergraduate students from accredited universities who are non-native speakers of English.
A minimum high-intermediate/low-advanced level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 408
Credit Weight: 10
Transcript Title: English/Strategic Interper.Com
Calendar Title: English for Strategic Interpersonal Communication.
Description:
This course develops discursive and pragmatic competence in oral and written communication in English. It focuses on strategic communication in interpersonal relationships, and helps develop an awareness of the impact of one's communication in a variety of contexts. In addition, learners acquire strategies and techniques to handle various types of English communication effectively.

Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director.
This transcript course is open to undergraduate students from accredited universities who are non-native speakers of English.
A minimum high-intermediate/low-advanced level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 409
Credit Weight: 12
Transcript Title: Medical EFL for Nurses
Calendar Title: Medical English as a Foreign Language for Nurses.
Description:
This course is intended for nurses and nursing students who wish to develop the language and intercultural communication skills necessary for dealing with patients and their families in English. It focuses on developing oral/aural skills leading to increased communication competence and confidence in a variety of
patient-nurse situations.

Notes:
This transcript course is open to undergraduate students from accredited universities as well as practicing nurses who are non-native speakers of English. A minimum high-intermediate level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 410
Credit Weight: 6
Transcript Title: Int Prof Dev for ESL Teachers
Calendar Title: Intensive Professional Development for ESL Teachers.
Description:
Intensive Professional Development for English Language Teachers (IPDEL) is a two-week, innovative, limited-enrolment, professional development course for ESL/EFL teachers whose native language is not English. Participants will consider theoretical applications, best practices and current trends in ESL/EFL instruction while engaging in stimulating collaborative pedagogical/cultural activities.

Notes:
Prerequisite: Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 413
Credit Weight: 20
Transcript Title: Engl Lang & Cult - Advanced 1
Calendar Title: English Language and Culture - Advanced 1.
Description:
Speaking, writing, listening, and reading for autonomous use of English at an advanced level. Essential linguistic, communicative, and socio-cultural skills for academic and professional environments. Strategies for independent learning and cultural discovery.

Notes:
This course is subject to limited enrolment.
Prerequisite(s): CEGL 355 or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CEGL 415
Credit Weight: 8
Transcript Title: Eng Writing Tech for Workplace
Calendar Title: English Writing Techniques for Workplace.
Description:
Designed for students at an advanced level wishing to develop their writing skills at that level. Explores English syntax and various techniques for text organization, coherence, conciseness and clarity through individual and collaborative work on different forms of writing commonly used in the workplace.

Notes:
Prerequisites: CEGL 316 and CEGL 316, Placement Test of Written English (PTWE) or Permission of the Director.
Corequisite: CEGL 416.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 416
Credit Weight: 8
Transcript Title: Eng Writ Comm Strat for Workpl
Calendar Title: English Written Communication Strategies for Workplace.
Description: Designed for students at an advanced level wishing to develop their writing skills at that level. Explores English syntax and various strategies for style, tone, nuance, purpose and audience through individual and collaborative work on different forms of writing commonly used in the workplace.
Notes: Prerequisites: CEGL 315 and CEGL 316, Placement Test of Written English (PTWE) or Permission of the Director.
Corequisite: CEGL 415.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 420
Credit Weight: 10
Transcript Title: Intercult Comm & Globalization
Calendar Title: Intercultural Communication and Globalization.
Description: Intended for non-native speakers of English who want to develop intercultural communication competency for travel, work, or living in a different culture. Explores intercultural communication and its importance for successful cross-cultural experiences. Identifies frameworks for analyzing different dimensions of cultural values, creating an awareness of the aspects of intercultural communication competency and its necessity for successful intercultural communication in the context of our rapidly changing, increasingly globalized world.
Notes: Prerequisite(s): Entrance Placement Test or permission of the Director
This course is open to undergraduate/graduate students from accredited universities who are non-native speakers of English. A minimum high-intermediate/low-advanced level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CEGL 423
Credit Weight: 20
Transcript Title: Engl Lang & Cult - Advanced 2
Calendar Title: English Language and Culture - Advanced 2.
Description: Speaking, writing, listening, and reading at a high-advanced English level. Essential linguistic, communicative, and socio-cultural skills for academic and professional environments. Strategies for independent learning and cultural discovery.
Notes: This course is subject to limited enrolment.
Prerequisite(s): CEGL 413 or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CEN2 500
Credit Weight: 3
Transcript Title: New Venture Formation
Calendar Title: New Venture Formation.
Description:
Essential business acumen required to plan and launch a new venture. The various facets of entrepreneurship dealing with idea generation, valuation techniques, funding, data sources, intellectual property, legalities and business plan development will be explored.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CEN2 506
Credit Weight: 3
Transcript Title: Financing Startups & Ventures
Calendar Title: Financing Startups and Ventures.
Description:
Selecting and securing venture financing by evaluating the different sources of equity and debt financing (including Government financial assistance programs). Capital planning, valuation and financing deal structure will also be covered.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CEN2 507
Credit Weight: 3
Transcript Title: Venture Growth Strategies
Calendar Title: Venture Growth Strategies.
Description:
Practical strategies for building businesses through all the various stages will be explored. Focus will be placed on identifying potentials for growth, realizing the challenges and opportunities for growth within entrepreneurial settings, and managing growth. The course will also include a team project in which a development plan for a real or hypothetical business will be created.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CEN2 510
Credit Weight: 3
Transcript Title: Pract Entrepreneurship Mgmt
Calendar Title: Practical Entrepreneurship Management.
Description:
This application-based course provides students with hands-on experience in planning a new venture in its entirety. Students will work in teams to develop a new start-up idea project during the term.
Notes:
Prerequisite: CEN2 500, CEN2 506 and CMG2 520
Note: The course includes live case studies by the 'Dobson Fellows' (Presidents, CEOs and industry leaders).
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CENG 111
Credit Weight: 4.5
Transcript Title: Fund of Aerosp Metal Materials
Calendar Title: Fundamentals of Aerospace Metallic Materials.
Description:
This course will present the fundamentals of metals as a material, light metals and superalloys as they are widely used in aerospace design, as well as hot working of metals.
Notes:
15 hours of classroom instruction, 15 hours of lab work, 15 hours of additional work (readings, assignments, etc.)
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENG 112
Credit Weight: 2.4
Transcript Title: Intro to Engin Design Optimiz
Calendar Title: Introduction to Engineering Design Optimization.
Description:
Notes:
15 hours of classroom instruction, 9 hours of additional work (project). Some basic understanding of calculus and linear algebra as well as programming and computer skills (e.g. Matlab) is helpful, but is not required as the course module will introduce and review all necessary concepts.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENG 113
Credit Weight: 2.4
Transcript Title: Dynamics of Turbomachines
Calendar Title: Dynamics of Turbomachines.
Description:
Notes:
15 hours of classroom instruction, 9 hours of additional work (project).
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CENG 221
Credit Weight: 16
Transcript Title: Project Management
Calendar Title: Project Management.
Description:
This course addresses the fundamental principles of project management, and the tools and techniques at our disposal to help achieve our goals. These principles, largely developed and tested on engineering projects, are being successfully applied to projects of all sizes and types within the business world. Topics covered include: project definition and start up; planning, scheduling and estimating; approval process, including testing for alternatives; project information and control systems; resource selection and allocation, implementation; post-project evaluation; project management as a career; skills and knowledge required by professionals, including decision-making and resource allocation appropriate to project phases; integration with other disciplines, including accounting and finance. Students will have the opportunity to apply the principles they learn through lab sessions using the latest computerized project management tools.
Notes:
26 lectures of 3 hours
$1582.01
For details, contact the Department at 514 - 398 - 5454.
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENG 221D1
Credit Weight: 8
Transcript Title: Project Management
Calendar Title: Project Management.
Description:
This course addresses the fundamental principles of project management, and the tools and techniques at our disposal to help achieve our goals. These principles, largely developed and tested on engineering projects, are being successfully applied to projects of all sizes and types within the business world. Topics covered include: project definition and start up; planning, scheduling and estimating; approval process, including testing for alternatives; project information and control systems; resource selection and allocation, implementation; post-project evaluation; project management as a career; skills and knowledge required by professionals, including decision-making and resource allocation appropriate to project phases; integration with other disciplines, including accounting and finance. Students will have the opportunity to apply the principles they learn through lab sessions using the latest computerized project management tools.
Notes:
Students must also register for CENG 221D2
No credit will be given for this course unless both CENG 221D1 and CENG 221D2 are successfully completed in consecutive terms
CENG 221D1 and CENG 221D2 are equivalent to CENG 221
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENG 221D2
Credit Weight: 8
Transcript Title: Project Management
Calendar Title: Project Management.
Description:
See CENG 221D1 for course description.
Notes:
Prerequisite: CENG 221D1
No credit will be given for this course unless both CENG 221D1 and CENG 221D2 are successfully completed in consecutive terms
CENG 221D1 and CENG 221D2 together are equivalent to CENG 221
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENG 222
Credit Weight: 16
Transcript Title: Risk Assess: Ore Res/Mine Plan
Calendar Title: Risk Assessment: Ore Reserves/Mine Planning.
Description:
The new generation of conditional simulation technologies for assessing ore body uncertainty, effects on risk analysis and cash flow considerations. Emphasis on downstream applications pertinent to ore reserves, feasibility, design, development and planning stages of mining ventures, and financial optimization of relevant aspects of operations and production.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CENG 223
Credit Weight: 4
Transcript Title: Strategic Project Leadership
Calendar Title: Strategic Project Leadership.
Description:
By using a practical real-life case study approach, this course addresses the key leadership challenges facing those responsible for delivering projects. How to go beyond traditional methods in project management by employing an adaptive and strategic approach that focuses on achieving business results. Emphasis on what it takes for an organization to deliver successful projects and programs. Synthesis of the project management knowledge and skills acquired throughout the courses of the Professional Development Certificate in Project Management.
Notes:
Note: Presented as a series of 3-hour lectures, this course is designed for Project Management practitioners and managers.
Prerequisite(s): CENG 221 and CENG 221D1 and CENG 221D2
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENG 224
Credit Weight: 4
Transcript Title: Agile Project Management
Calendar Title: Agile Project Management.
Description:
Gain the knowledge and skills required to manage and deliver projects by using agile teams and applying agile concepts, methodologies and best-practices. Agile approach, largely developed and tested on software development projects, is now being successfully applied to projects of all sizes and types in various
industries.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active

**CENG 225**  
**Credit Weight:** 3.5  
**Transcript Title:** Ore Reserve Risk & Mine Planning  
**Calendar Title:** Ore Reserve Risk and Mine Planning  
**Description:** Methods to build up to the presentation of a new generation of applied technologies (stochastic mine planning optimization) dealing with geological risk and its substantial effects on ore reserves, strategic planning, optimization, risk management and profitability.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Fac Partner & Summer Studies  
**Status (catalog level):** Active
CENT 305
Credit Weight: 3
Transcript Title: Sales and Negotiations
Calendar Title: Sales and Negotiations.
Description:
Skills necessary to sell your business vision and its products and services in a competitive marketplace. Focus on specific strategies and techniques to convince all stakeholders of your company’s value proposition. In addition, skills needed to negotiate win-win business arrangements are developed and practiced.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENT 306
Credit Weight: 3
Transcript Title: Launching a New Business
Calendar Title: Launching a New Business.
Description:
Converting ideas into successful new business ventures is a challenging task that needs creativity, understanding of the external market, key planning and risk management. All aspects of launching a new business, including the skills and tools needed to identify, evaluate and launch an attractive product or service.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENT 307
Credit Weight: 3
Transcript Title: Creating a Business Plan
Calendar Title: Creating a Business Plan.
Description:
The importance of creating a business plan for entrepreneurs is discussed. The elements of a solid plan and components that should be included are explained. The foundations of preparing a tailored business plan and the key to making an effective presentation are also covered.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENT 308
Credit Weight: 3
Transcript Title: Financing a New Business
Calendar Title: Financing a New Business.
Description:
Finding financial resources to launch and grow a business is a creative process. Focus will be on different types of capital available throughout the different stages of a venture. An understanding of the choices of funding and importance of financial planning by comparing and contrasting various financing methods.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CENT 309
Credit Weight: 3
Transcript Title: Business Growth Strats& Issues
Calendar Title: Business Growth Strategies and Issues.
Description:
Practical strategies for different stages of business growth. Classroom and group work focus on the opportunities and challenges of creating and managing growth in entrepreneurial settings, within both small and larger companies. Issues of particular importance to rapidly growing companies will also be highlighted and discussed.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active

**CENT 434**  
**Credit Weight:** 3  
**Transcript Title:** Entrepreneurship Issues Mgmt  
**Calendar Title:** Entrepreneurship Issues Management.  
**Description:** Issues relating to leadership, communication, sustainability, financing, globalization, stewardship, GAAP, social responsibility, family business and succession, intellectual property and contemporary management events.  
**Notes:**  
Prerequisite: CENT 300  
Note: The course includes live case studies by the 'Dobson Fellows' (Presidents, CEOs and industry leaders).  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active
CFIN 200
Credit Weight: 3
Transcript Title: Retirement Planning
Calendar Title: Retirement Planning.
Description:
This course addresses the various elements in the retirement planning process such as pension planning instruments, public and private pension plans, insurance, income tax, estate planning, and wills.
Administrating Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 300
Credit Weight: 3
Transcript Title: Fund. of Fin. Markets & Inst.
Calendar Title: Fundamentals of Financial Markets and Institutions.
Description:
This course provides an introductory overview of national and international financial markets and financial institutions. The focus will be on the structure of the global financial system, financial markets (bonds, money, equity, and foreign exchange), and the main types of financial institutions: banks, mutual funds, insurance companies, and pension plans.
Administrating Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 305
Credit Weight: 3
Transcript Title: Investor Behaviour
Calendar Title: Investor Behaviour.
Description:
The emotional and psychological factors that impact investors' behaviour and decision making. Various market anomalies will be examined in the context of mean-variance efficiency theory, as well as typical forecasting errors, expert justifications and continued investor reliance on forecasting models in the context of psychological biases.
Notes:
Administrating Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 310
Credit Weight: 3
Transcript Title: Short-Term Financial Mgmt.
Calendar Title: Short-Term Financial Management.
Description:
Traditional concepts of the net present valuation, liquidity, collections, disbursements, company-bank relationships, cash forecasting, and short-term investing and financing, which provide an understanding of the role of working capital management in the operations of a firm.
Notes:
Prerequisite: MGCR 211
Administrating Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 350
Credit Weight: 3
Transcript Title: Alternative Investments
Calendar Title: Alternative Investments.
Description:
This course defines alternative asset classes, examines the structure of the different markets and investment vehicles with a focus on investments in sustainable ventures. The performance of each asset class in relation to the traditional asset classes of equity and fixed income is analyzed.
Notes:
Prerequisite: CFIN 300
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 400
Credit Weight: 3
Transcript Title: Real Estate Finance
Calendar Title: Real Estate Finance.
Description:
A thorough introduction to the cash flows, returns and risks of investing in and financing of real estates is provided. The basics of mortgage finance, mortgage refinancing, default risk and underwriting of individual residential properties, and analyses of leases, valuation, investment and risk of individual income producing properties are covered.
Notes:
Prerequisites: CFIN 300 and CMSC 221 and MGCR 341
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 401
Credit Weight: 3
Transcript Title: Sustainable Finance & the Firm
Calendar Title: Sustainable Finance and the Firm.
Description:
The objective of this course is to understand how to assess and analyze the impact of Green House Gas regulations on corporations and their financial policies. Topics include capital budgeting, capital structure and corporate governance. Case studies will be used to illustrate sustainable corporate policies.
Notes:
Prerequisite: MGCR 211
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 402
Credit Weight: 3
Transcript Title: Bus. Valuation & Project Fin.
Calendar Title: Business Valuation and Project Finance.
Description:
This course provides a comprehensive analysis of alternative valuation models and techniques such as discounted cash flow and relative valuation methods. These techniques are applied to the valuation of various types of firms such as financial services, start ups, private and distressed firms, and firms with negative earnings.
Notes:
Prerequisites: MGCR 211 and MGCR 341

Administering Faculty: School of Continuing Studies

Teaching Department: Career & Professional Develop

Status (catalog level): Active

CFIN 403

Credit Weight: 3

Transcript Title: Mergers and Acquisitions

Calendar Title: Mergers and Acquisitions.

Description:
This course applies theory from corporate finance to the analysis of mergers, acquisitions, and related transactions. The objectives of this course are to introduce the area of mergers and acquisitions and to develop and strengthen the presentation and research skills necessary for the investment banking or merger arbitrage industries.

Notes:
Prerequisites: MGCR 211 and MGCR 341

Administering Faculty: School of Continuing Studies

Teaching Department: Career & Professional Develop

Status (catalog level): Active

CFIN 410

Credit Weight: 3

Transcript Title: Investment and Portfolio Mgmt.

Calendar Title: Investment and Portfolio Management.

Description:
This course covers financial instruments such as stocks and bonds, formation and management of investment portfolios and evaluation of portfolio performance. Finance theories and investment practices relating to such additional topics as global portfolio diversification, investments by means of Initial Public Offerings, hedge funds, private equity and derivatives are presented.

Notes:
Prerequisites: MGCR 211 and MGCR 341

Administering Faculty: School of Continuing Studies

Teaching Department: Career & Professional Develop

Status (catalog level): Active

CFIN 420

Credit Weight: 3

Transcript Title: Mutual Funds

Calendar Title: Mutual Funds.

Description:
This course examines the process of investing in mutual funds, sales of funds, and management of funds, including valuation and accounting. Additional topics include the special characteristics of hedge funds, ethical considerations and key regulations for mutual funds.

Notes:
Prerequisites: CFIN 300 and MGCR 211 and MGCR 341

Administering Faculty: School of Continuing Studies

Teaching Department: Career & Professional Develop

Status (catalog level): Active

CFIN 421

Credit Weight: 3

Transcript Title: Asset Liability Management

Calendar Title: Asset Liability Management.
Description:
This course introduces the basic Asset Liability Management concepts of currency exposure, interest rate risk, and liquidity risk. It also introduces some basic tools to manage risks in banks and insurance firms.

Notes:
Prerequisite: MGCR 211

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 500
Credit Weight: 3
Transcript Title: Fin. Markets & Institutions
Calendar Title: Financial Markets and Institutions.
Description:
This course will focus on how the main types of financial institutions: banks, mutual funds, insurance companies and pension plans, facilitate the flow of funds through the economy, shaping the very structure of the financial system. In addition, various financial markets including bond, money, equity, and foreign exchange are examined.

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 501
Credit Weight: 3
Transcript Title: Retirement, Estate & Tax Plan
Calendar Title: Retirement, Estate and Tax Planning.
Description:
The objective of this course is to discuss the various elements in the retirement planning process such as pension planning instruments, public and private pension plans, insurance, income tax, estate planning, and wills.

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 507
Credit Weight: 3
Transcript Title: Analysis of Fin. Statements
Calendar Title: Analysis of Financial Statements.
Description:
This course addresses financial statement analysis and related topics, including impact on firm valuation of alternative accounting methods, management biases, and stakeholder interests. The course also strengthens and develops analytical skills through real world examples and cases.

Notes:
Prerequisite: CACC 521

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 512
Credit Weight: 3
Transcript Title: Corporate Finance
Calendar Title: Corporate Finance.
Description:
Fundamental finance theory as applied to the firm's short and long-term financing and investment decisions and the sources of funds available to it (stocks, bonds, derivatives). Exposure to critical concepts of "firm value maximization" emphasizing capital budgeting, cost of capital, capital structure, derivatives, dividend policy, risk and return.

Notes:
Prerequisite(s): CACC 520 or CACC 521
Corequisite(s): CMS2 621
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 515
Credit Weight: 3
Transcript Title: Behavioural Finance
Calendar Title: Behavioural Finance.
Description:
The course will introduce various documented psychological biases that impact human behaviour and decision making. These documented market anomalies will be examined and assessed in the context of mean-variance efficiency theory. Typical forecasting errors, expert justifications and continued investor reliance on forecasting models will be examined.

Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 522
Credit Weight: 3
Transcript Title: Applied Topics: Corporate Finan
Calendar Title: Applied Topics: Corporate Finance.
Description:
Concepts and techniques developed in earlier courses are extended and/or applied to problems faced by managers in Corporate Finance. Such problems include: working capital management, capital budgeting, capital structure, dividend policy, cost of capital and mergers and acquisitions. Stresses the application of theory and techniques; and makes extensive use of case studies.

Notes:
Prerequisite: CFIN 512
CGA Requirement
CMA Requirement
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 525
Credit Weight: 3
Transcript Title: Treasury Management
Calendar Title: Treasury Management.
Description:
This course deals with the key aspects of short-term financial management. Describes a framework for decision making followed by a brief introduction to the Canadian banking and payments system from the perspective of the corporate treasurer. Corporate cash planning and forecasting will also be studied, followed by description of collection and disbursement systems in Canada. Strategies for the management of short-term investment and borrowing portfolios are described, including the available instruments for management of interest rate and foreign exchange risk.

**Notes:**
Prerequisite: CACC 521

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Career & Professional Develop

**Status (catalog level):** Active

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**CFIN 528**

**Credit Weight:** 3

**Transcript Title:** Strategic Asset & Liab. Mgmt.

**Calendar Title:** Strategic Asset and Liability Management.

**Description:**
This course examines the essential concepts in Asset Liability Management in banks and insurance companies, focusing on managing risks such as liquidity risk, interest rate risk, credit risk, and operational risk. It also looks at strategic tools to manage these risks.

**Notes:**
Prerequisite: CACC 521

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Career & Professional Develop

**Status (catalog level):** Active

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**CFIN 530**

**Credit Weight:** 3

**Transcript Title:** Investment Analysis

**Calendar Title:** Investment Analysis.

**Description:**
Deals with security analysis and investment techniques covering the different types and classes of securities. The sources of information, methods of compiling statistics, and assessment of comparative values are discussed, together with portfolio objectives and differing philosophies of investment management. Broad economic trends and international political climates affecting security values are analyzed.

**Notes:**
Prerequisites: (CEC2 532 or CEC2 632) and CFIN 512

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Career & Professional Develop

**Status (catalog level):** Active

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**CFIN 540**

**Credit Weight:** 3

**Transcript Title:** Intro to International Finance

**Calendar Title:** Introduction to International Finance.

**Description:**
The international financial environment as it affects the multinational manager. In-depth study of the various balance of payments concepts, adjustment of the external balance, and the international monetary systems, will be followed by a review of theory and institutional aspects of the foreign exchange and the international markets.
Notes:
Prerequisite: CFIN 512
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 550
Credit Weight: 3
Transcript Title: Analysis of Fixed-Income Sec.
Calendar Title: Analysis of Fixed-Income Securities.
Description:
This course addresses investments and trading strategies concerning popular fixed income securities, and risk management of fixed income portfolios. Additional topics include the structure, pricing and risks of securitized products and credit derivatives. Students will also be expected to read and present current research papers in this area.
Notes:
Prerequisites: CACC 521 and CFIN 500 and CFIN 512
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 552
Credit Weight: 3
Transcript Title: Firm Valuation
Calendar Title: Firm Valuation.
Description:
This course provides a comprehensive analysis of alternative valuation models and techniques such as discounted cash flow, and relative and contingent claims valuation methods. These techniques are applied to the valuation of various types of firms such as financial services, start ups, private, distressed firms, and firms with negative earnings.
Notes:
Prerequisites: CACC 521 and CFIN 512
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 553
Credit Weight: 3
Transcript Title: Corp. Mergers and Acquisitions
Calendar Title: Corporate Mergers and Acquisitions.
Description:
The mergers and acquisitions field is introduced and presentation and research skills for the investment banking or merger arbitrage industries are developed and strengthened. Theory from corporate finance is applied to the analysis of mergers, acquisitions, and related transactions. Methodology for preparation of a job interview product is also presented.
Notes:
Prerequisites: CACC 521 and CFIN 512
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 560
Credit Weight: 3
Transcript Title: Mutual Funds Finance
Calendar Title: Mutual Funds Finance.
Description:
This course examines the entire process of investing in mutual funds, sales of funds, and management of funds including valuation and accounting. Additional topics include the special characteristics of hedge funds, ethical considerations and key regulations for mutual funds.
Notes:
Prerequisites: CACC 521 and CFIN 500 and CFIN 512
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 561
Credit Weight: 3
Transcript Title: Sustainable Investments
Calendar Title: Sustainable Investments.
Description:
The course addresses the nuances of sustainable investments, how they affect the performance of the respective investment, and how sustainable investments measure up from a risk-return analytical framework. It will take the perspective of investors for optimally allocating capital across various asset classes including classes of sustainable investments.
Notes:
Prerequisite: CFIN 500
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 562
Credit Weight: 3
Transcript Title: Fin.and Sustainable Enterprise
Calendar Title: Finance and Sustainable Enterprise.
Description:
The course will assess the impact of environmental regulations on corporate financial policies, such as capital budgeting and capital structure, their input variables and considerations, corporate governance and Real Options from a binomial decision tree perspective. Time will also be devoted to studying cases of sustainable corporate financial policies.
Notes:
Prerequisite: CACC 521
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CFIN 590
Credit Weight: 3
Transcript Title: Topics in Finance
Calendar Title: Topics in Finance.
Description:
Specialized course covering an advanced topic in the finance area selected from current issues or themes in literature.
Notes:
Prerequisite: CFIN 522 or CFIN 525 or CFIN 530 or CFIN 540
Note: Content will vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Development
Status (catalog level): Active

CFIN 595
Credit Weight: 3
Transcript Title: Derivatives & Risk Management Tools
Calendar Title: Derivatives and Risk Management Tools.
Description:
This course develops and illustrates the no-arbitrage approach to the valuation of popular derivatives like forwards, futures and options for risk management purposes. Additional topics include an introduction to exotic options, emerging instruments, and the Nobel winning Black-Scholes option pricing model.
Notes:
Prerequisites: CFIN 500 and CFIN 512
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Development
Status (catalog level): Active
CFRN 102
Credit Weight: 11
Transcript Title: Beginners' French
Calendar Title: Beginners' French.
Description: For students with no previous exposure to French, classes will provide instruction in listening, speaking, reading and writing. Course content is aimed at helping the students acquire the basic linguistic and communicative skills required to operate in very simple day-to-day situations.
Symbols: LIMT - Limited enrolment
Notes: 60 hours
Prerequisite: Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 104
Credit Weight: 11
Transcript Title: Elementary Comm in French
Calendar Title: Elementary Communication in French.
Description: For students with basic exposure to French, classes will provide instruction in listening, speaking, reading and writing. Course content is aimed at helping the students acquire the basic linguistic and communicative skills required to operate in simple day-to-day situations.
Symbols: LIMT - Limited enrolment
Notes: 60 hours
Prerequisite: CFRN 102 or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 106
Credit Weight: 11
Transcript Title: Elementary French 2
Calendar Title: Elementary French 2.
Description: Instruction in listening, speaking, reading and writing French, including grammar, phonetics, thematic vocabulary and functional expressions, is aimed at helping students develop the linguistic and communicative skills required to operate in various simple social and cultural contexts. Ce cours vise à développer la compréhension et l'expression orales, la lecture et l'écriture en langue française. Il inclut l'étude de la grammaire, de la phonétique, du vocabulaire thématique et des expressions usuelles. Il vise aussi à aider les étudiants à acquérir les compétences linguistiques et communicatives dont ils ont besoin pour interagir dans des situations socioculturelles simples mais variées.
Symbols: LIMT - Limited enrolment
Notes: 60 hours
Prerequisite: CFRN 104 or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 120
Credit Weight: 6
Transcript Title: French Oral Comm. Short Beg A
Calendar Title: French Oral Communication - Short Beginners A.
Description:
A short linguistic and cultural immersion at the beginners level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 130
Credit Weight: 12
Transcript Title: French Oral Comm. Beg A
Calendar Title: French Oral Communication - Beginners A.
Description:
A short linguistic and cultural immersion at the beginners level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 140
Credit Weight: 6
Transcript Title: French Oral Comm. Short Beg B
Calendar Title: French Oral Communication - Short Beginners B.
Description:
A short linguistic and cultural immersion at the beginners to elementary level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 160
Credit Weight: 12
Transcript Title: French Oral Comm. Short Beg B
Calendar Title: French Oral Communication - Short Beginners B.
Description:
A short linguistic and cultural immersion at the beginners to elementary level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 203
Credit Weight: 20
Transcript Title: French Lang&Culture -Beginner
Calendar Title: French Language and Culture - Beginner.
Description:
Speaking, writing, listening, and reading for students with no knowledge of French. Essential linguistic, communicative, and socio-cultural skills required to satisfy basic needs in familiar and predictable everyday situations. Strategies for independent learning and cultural discovery.
Notes:
This course is subject to limited enrolment.
Prerequisite(s): Entrance Placement Test or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CFRN 215
Credit Weight: 8
Transcript Title: French Grammar at Work
Calendar Title: French Grammar at Work.
Description:
Designed for students at a mid-intermediate level wishing to improve their grammatical accuracy in written communication for the workplace at that level. Explores French grammatical rules, thematic vocabulary, and self-correction strategies through a variety of exercises and writing tasks embedded in common work-related situations.
Notes:
Prerequisite: Placement Test of Written French (PTWF) or Permission of the Director
Corequisite: CFRN 216

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 216
Credit Weight: 8
Transcript Title: Fre Gram&Writing in Context 1
Calendar Title: French Grammar and Writing in Context 1.
Description:
Designed for students at a mid-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of French grammar at the sentence level, thematic vocabulary and self correction strategies through a variety of learning activities embedded in common work related situations.
Notes:
Prerequisite: Placement Test of Written French (PTWF) or Permission of the Director
Corequisite: CFRN 215.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 220
Credit Weight: 6
Transcript Title: Fr. Oral Comm Short Intermed A
Calendar Title: French Oral Communication - Short Intermediate A.
Description:
A short linguistic and cultural immersion at the intermediate level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 223
Credit Weight: 20
Transcript Title: Intensive French-Element Low
Calendar Title: Intensive French - Elementary Low.
Description: Designed for students who possess a basic knowledge of French. Classes offer instruction in listening, reading, speaking, and writing. Course content provides students with the essential linguistic, communicative, and socio-cultural skills required to function in everyday situations and simple social interactions.
Notes: This course is subject to limited enrolment.
Prerequisite(s): Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 230
Credit Weight: 12
Transcript Title: Fr. Oral Comm Intermed A
Calendar Title: French Oral Communication - Intermediate A.
Description: A short linguistic and cultural immersion at the intermediate level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 240
Credit Weight: 6
Transcript Title: Fr. Oral Comm Short Intermed B
Calendar Title: French Oral Communication - Short Intermediate B.
Description: A short linguistic and cultural immersion at the intermediate level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 260
Credit Weight: 12
Transcript Title: Fr. Oral Comm Intermed B
Calendar Title: French Oral Communication - Intermediate B.
Description: A short linguistic and cultural immersion at the intermediate level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 310
Credit Weight: 16
Transcript Title: Spec Fre for Acad/Pro Purposes
Calendar Title: Specialized French for Academic/Professional Purposes.
Description: Course will develop linguistic, communicative, discursive and socio-cultural
competencies at an intermediate level. Classes provide instruction in listening, speaking, reading, writing and pronunciation. Learners practice various techniques necessary for effective oral/written communication in academic/professional contexts. The course also aims at increasing students' awareness of Quebec academic/professional contexts.

Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Only available for group enrolment (as part of customized training)

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 315
Credit Weight: 8
Transcript Title: Fre Gram & Writing in Context 2
Calendar Title: French Grammar and Writing in Context 2.
Description:
Designed for students at a high-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of French grammar at the complex sentence level, thematic vocabulary and self correction strategies through a wide range of learning activities embedded in various work related situations.
Notes:
Prerequisites: CFRN 215 and CFRN 216, Placement Test of Written French (PTWF) or Permission of the Director.
Corequisite: CFRN 316.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 316
Credit Weight: 8
Transcript Title: Fre Vocabulary for Workplace
Calendar Title: French Vocabulary for Workplace.
Description:
Designed for students at a high-intermediate level wishing to develop their writing skills at that level. Broadens the scope of written communication through the study of vocabulary and its function in discourse. Identifies the nature and role of words, phrases and idioms through intense practice of vocabulary in workplace contexts.
Notes:
Prerequisites: CFRN 215 and CFRN 216, Placement Test of Written French (PTWF) or Permission of the Director.
Corequisite: CFRN 315.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 320
Credit Weight: 6
Transcript Title: French Oral Comm. Short Adv A
Calendar Title: French Oral Communication - Short Advanced A.
Description:
A short linguistic and cultural immersion at the intermediate to advanced level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 323
Credit Weight: 20
Transcript Title: French Lang&Cult - Elementary
Calendar Title: French Language and Culture - Elementary.
Description:
Speaking, writing, listening, and reading for students with a limited knowledge of French. Essential linguistic, communicative, and socio-cultural skills required to accomplish simple and routine tasks in familiar and predictable situations. Strategies for independent learning and cultural discovery.
Symbols: LIMT - Limited enrolment
Notes:
This course is subject to limited enrolment
Prerequisite(s): CFRN 203 or Entrance Placement Test or Permission of the Director
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CFRN 325
Credit Weight: 12
Transcript Title: French Oral Comm. Adv A
Calendar Title: French Oral Communication - Advanced A.
Description:
A short linguistic and cultural immersion at the intermediate to advanced level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administrating Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Active

CFRN 333
Credit Weight: 20
Transcript Title: French Lang&Cult - Intermed 1
Calendar Title: French Language and Culture - Intermediate 1.
Description:
Speaking, writing, listening, and reading at a low-intermediate French level. Essential linguistic, communicative, and socio-cultural skills required to function in predictable real-life personal and social situations. Strategies for independent learning and cultural discovery.
Symbols: LIMT - Limited enrolment
Notes:
This course is subject to limited enrolment
Prerequisite: CFRN 323, or Entrance Placement Test or Permission of the Director
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CFRN 335
Credit Weight: 6
Transcript Title: French Oral Comm. Short Adv B
Calendar Title: French Oral Communication - Short Advanced B.
Description:
A short linguistic and cultural immersion at the advanced level, focusing on
listening and speaking skills intended to improve fluency and confidence in oral communication.

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Language & Intercultural Comm.

**Status (catalog level)**: Active

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**CFRN 343**

- **Credit Weight**: 20
- **Transcript Title**: French Lang & Cult - Intermed 2
- **Calendar Title**: French Language and Culture - Intermediate 2.
- **Description**: Speaking, writing, listening, and reading at a mid-intermediate French level. Essential linguistic, communicative, and socio-cultural skills required to function independently in familiar personal, social, and work-related situations. Strategies for independent learning and cultural discovery.
- **Symbols**: LIMT - Limited enrolment
- **Notes**: This course is subject to limited enrolment
- **Prerequisite**: CFRN 333, or Entrance Placement Test or Permission of the Director

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Global & Strategic Comm.

**Status (catalog level)**: Active

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**CFRN 344**

- **Credit Weight**: 12
- **Transcript Title**: Intensive French/Short Course
- **Calendar Title**: Intensive French/Short Course.
- **Description**: Designed to help students develop the linguistic, communicative and cultural skills required to operate in French in a variety of real-life settings, the course provides instruction in listening, speaking, reading and writing. Cultural activities are included.
- **Symbols**: LIMT - Limited enrolment

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Language & Intercultural Comm.

**Status (catalog level)**: Active

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**CFRN 345**

- **Credit Weight**: 12
- **Transcript Title**: French Oral Comm. Adv B
- **Calendar Title**: French Oral Communication - Advanced B.
- **Description**: A short linguistic and cultural immersion at the advanced level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.

**Administering Faculty**: School of Continuing Studies

**Teaching Department**: Language & Intercultural Comm.

**Status (catalog level)**: Active

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**CFRN 355**

- **Credit Weight**: 20
- **Transcript Title**: French Lang & Cult - Intermed 3
- **Calendar Title**: French Language and Culture - Intermediate 3.
- **Description**: Speaking, writing, listening, and reading at a high-intermediate French level. Essential linguistic, communicative, and socio-cultural skills required to function independently in personal, social, and professional environments, on both
concrete and abstract topics. Strategies for independent learning and cultural discovery.

Symbols: LIMT - Limited enrolment

Notes:
This course is subject to limited enrolment

Prerequisite: CFRN 343 or Entrance Placement Test or Permission of the Director

Administrating Faculty: School of Continuing Studies

Teaching Department: Global & Strategic Comm.

Status (catalog level): Active

CFRN 415

Credit Weight: 8

Transcript Title: Fre Writing Tech for Workplace

Calendar Title: French Writing Techniques for Workplace.

Description:
Designed for students at an advanced level wishing to develop their writing skills at that level. Explores French syntax and various techniques for text organization, coherence, conciseness and clarity through individual and collaborative work on different forms of writing commonly used in the workplace.

Notes:
Prerequisites: CFRN 315 and CFRN 316, Placement Test of Written French (PTWF) or Permission of the Director.
Corequisite: CFRN 416.

Administrating Faculty: School of Continuing Studies

Teaching Department: Language & Intercultural Comm.

Status (catalog level): Active

CFRN 416

Credit Weight: 8

Transcript Title: Fre Writ Comm Strat for Workpl

Calendar Title: French Written Communication Strategies for Workplace.

Description:
Designed for students at an advanced level wishing to develop their writing skills at that level. Explores French syntax and various strategies for style, tone, nuance, purpose and audience through individual and collaborative work on different forms of writing commonly used in the workplace.

Notes:
Prerequisites: CFRN 315 and CFRN 316, Placement Test of Written French (PTWF) or Permission of the Director.
Corequisite: CFRN 415.

Administrating Faculty: School of Continuing Studies

Teaching Department: Language & Intercultural Comm.

Status (catalog level): Active

CFRN 423

Credit Weight: 20

Transcript Title: French Lang & Cult -Advanced

Calendar Title: French Language and Culture - Advanced.

Description:
Speaking, writing, listening, and reading at an advanced level in French. Essential linguistic, communicative, and socio-cultural skills required to interact independently, with fluency and spontaneity, in most personal, social, and professional situations, on concrete as well as abstract topics. Strategies for independent learning and cultural discovery.

Notes:
This course is subject to limited enrolment.

Prerequisite(s): CFRN 343 or CFRN 355 or Entrance Placement Test or Permission of
the Director

**Administrating Faculty**: School of Continuing Studies

**Teaching Department**: Global & Strategic Comm.

**Status (catalog level)**: Active
CGM2 510
Credit Weight: 3
Transcript Title: Proj Mgmt: Tools & Techniques
Calendar Title: Project Management: Tools and Techniques.
Description:
Focus on main concepts and theories of project management from initiation to close-out. Topics include: project life cycle, planning, scheduling, implementing, monitoring, controlling, close-out and ethics. The concepts presented apply to projects of various sizes, types and degrees of complexity.
Notes:
Restrictions: Open to students currently in a program. Not open to Special Students.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CGM2 520
Credit Weight: 3
Transcript Title: Sales Mgmt&Negotiatn Stratgies
Calendar Title: Sales Management and Negotiation Strategies.
Description:
Application of principles and theories of sales management for large, medium, and small-sized enterprises. Focus on crystallizing a venture¿s customer value proposition to develop effective sales strategies to achieve business and marketing objectives. Strategies for personal selling, team selling, and online and offline selling as well as B-to-B and B-to-C models. Business negotiation strategies.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CGM2 590
Credit Weight: 3
Transcript Title: Topics in Management
Calendar Title: Topics in Management.
Description:
Specialized course covering an advanced topic in the management area selected from current issues or themes in literature.
Notes:
Prerequisites: CACC 520, CFIN 512 and CMR2 542
Note: Content will vary from year to year.
**Restricted registration - under partnership. Departmental approval required.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CGM2 590D1
Credit Weight: 1.5
Transcript Title: Topics in Management
Calendar Title: Topics in Management.
Description:
Specialized course covering an advanced topic in the management area selected from current issues or themes in literature.
Notes:
Prerequisites: CACC 520, CFIN 512 and CMR2 542
Students must register for both CGM2 590D1 and CGM2 590D2
No credit will be given for this course unless both CGM2 590D1 and CGM2 590D2 are
successfully completed in consecutive terms
CGM2 590D1 and CGM2 590D2 together are equivalent to CGM2 590
Note: Content will vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CGM2 590D2
Credit Weight: 1.5
Transcript Title: Topics in Management
Calendar Title: Topics in Management.
Description:
See CGM2 590D1 for description.
Notes:
Prerequisite: CGM2 590D1
No credit will be given for this course unless both CGM2 590D1 and CGM2 590D2 are
successfully completed in consecutive terms
CGM2 590D1 and CGM2 590D2 together are equivalent to CGM2 590

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CGM2 590N1
Credit Weight: 1.5
Transcript Title: Topics in Management
Calendar Title: Topics in Management.
Description:
Specialized course covering an advanced topic in the management area selected from
current issues or themes in literature.
Notes:
Prerequisite: CACC 520, CFIN 512, and CMR2 542
Students must register for both CGM2 590N1 and CGM2 590N2
No credit will be given for this course unless both CGM2 590N1 and CGM2 590N2 are
successfully completed in consecutive terms
CGM2 590N1 and CGM2 590N2 are equivalent to CGM2 590
Note: Content will vary from year to year
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CGM2 590N2
Credit Weight: 1.5
Transcript Title: Topics in Management
Calendar Title: Topics in Management.
Description:
For description see CGM2 590N1.
Notes:
Prerequisite: CGM2 590N1
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CGM2 610
Credit Weight: 3
Transcript Title: Proj Mgmt: Tools & Techniques
Calendar Title: Project Management: Tools and Techniques.
Description:
Analysis of the development, scheduling, and planning of projects in both public and private organizations. Focus on theories of project management from initiation of a project to close-out. Exploration of project life cycle, planning, scheduling, implementing, monitoring, controlling, close-out and ethics applicable to projects of various sizes, types and degrees of complexity.
Notes:
Restrictions: Not open to students who have taken CGM2 510. Not open to Special Students.
Course may be offered in person or online with synchronous and asynchronous components.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CGM2 620
Credit Weight: 3
Transcript Title: Agile Proj Mgmt: Theory & Prac
Calendar Title: Agile Project Management: Theory and Practice.
Description:
Examination of the principles and techniques of agile project management to improve project delivery, reduce risk, and improve quality when dealing with a project with undefined and continually changing requirements. Applications of a collaborative method for resolving conflicts and interest-based problems. Assessment of change readiness in project teams.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CGMG 210
Credit Weight: 3
Transcript Title: Fund. of Project Management
Calendar Title: Fundamentals of Project Management.
Description:
Fundamental principles and best practices of project management essential to the successful development of projects or other complex undertakings within an organization; includes methods for defining, planning, and scheduling activities and resources.
Notes:
Restrictions: Open to students currently in a program. Not open to Special Students.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CGMG 282
Credit Weight: 3
Transcript Title: Introduction to Business
Calendar Title: Introduction to Business.
Description:
A broad introduction to business based on the functional areas: accounting, finance, human resources management, industrial relations, marketing, production, and general management. For each area lectures introduce basic concepts, which students apply to cases that depict the complexity of decision-making in the business world.
Notes:
This course is required by students fulfilling the C.I.M requirements.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CGMG 305
Credit Weight: 3
Transcript Title: Mng in Pub & Non-Profit Orgzn
Calendar Title: Managing in Public and Non-Profit Organizations.
Description:
This course provides learners with the knowledge, competencies and aptitudes necessary for managing and leading both private businesses and organizations in the not-for-profit sector. Topics include governance, community services, community systems, management vs leadership style, and understanding the differences between strategic and operational planning, with an emphasis on financial and human resource management.
Notes:
Corequisite: CORG 225
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CGMG 318
Credit Weight: 3
Transcript Title: Selling Models & Bus Negotiatn
Calendar Title: Selling Models and Business Negotiation.
Description:
Application of selling models to effectively harness digital media to convert online prospects into customers and retain them using Internet resources. Strategies to build long-term partnerships with online and traditional customers and promote new ventures through search engine optimisation (SEO) to achieve business and marketing objectives. Application and practice of the business negotiation process and strategies for traditional and online stakeholders.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active

**CGMG 319**  
**Transcript Title:** International Bus Practices  
**Calendar Title:** International Business Practices.  
**Description:** An introduction to the internal and external contextual factors that influence business forecasting and decision-making in international spheres/environments. Topics include ethical and practical strategies for conducting international business; trade policies; global trends; economic growth patterns; foreign exchange risk and organizational/governmental factors that influence international business. Real world examples as well as case studies are extensively used.  
**Notes:**  
Restriction: Not open to students who have taken MGCR 382.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active

**CGMG 445**  
**Transcript Title:** Ethical Issues: Bus. Practices  
**Calendar Title:** Ethical Issues in Business Practices.  
**Description:** An exploration of the ethical implications of business practices. Topics reviewed include the evaluation of ethical issues; the integration of ethical decision-making tools in business; corporate social responsibility; ethical implications for management and leadership and self-evaluation techniques for improving ethical practices. Real world case studies are extensively used.  
**Notes:**  
Restriction(s): Advanced student. Not open to students who have taken or are taking MGPO 450.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active
CHEE 200
Credit Weight: 3
Transcript Title: Chem Engineering Principles 1
Calendar Title: Chemical Engineering Principles 1.
Description:
Introduction to the design of industrial processes. Survey of unit operations, and
systems of units. Elementary material balances, first and second laws of
thermodynamics, use of property tables and charts, steady flow processes.
Relationships between thermodynamic properties, property estimation techniques.
Laboratory and design exercise.
Notes:
(3-1-5)
Restriction: Not open to U0 students.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 204
Credit Weight: 3
Transcript Title: Chem Engineering Principles 2
Calendar Title: Chemical Engineering Principles 2.
Description:
Material and energy balances in chemical processes. Introduction to process
design. Problem solving in the design of various industrial processes such as
combustion, humidification, separation processes (evaporation, crystallization),
and other reactive systems used in the diverse areas of chemical engineering.
Notes:
(3-2-4)
Prerequisite: CHEE 200
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 220
Credit Weight: 3
Transcript Title: Chemical Engrg Thermodynamics
Calendar Title: Chemical Engineering Thermodynamics.
Description:
Application of thermodynamic equilibrium; free energy and equilibrium; phase rule;
chemical reaction equilibrium for homogenous and multicomponent/multiphase
systems. Application to the design of binary distillation. Laboratory exercise.
Notes:
(3-1.5-4.5)
Prerequisite: CHEE 200
Corequisite(s): MATH 262
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 231
Credit Weight: 3
Transcript Title: Data Anal & Design of Exp
Calendar Title: Data Analysis and Design of Experiments.
Description:
Foundation of the design and execution of experiments based on statistical
principles and of the results analysis. Topics: Data visualization, significant
digits; uncertainty, precision, accuracy, propagation of uncertainty; univariate
data analysis, normal distribution; sampling distribution and point estimates, confidence intervals, hypothesis testing; simple and multiple linear regression; design of experiments.

Notes:
(3-1-5)
Restriction: Not open to U0 students.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 291
Credit Weight: 4
Transcript Title: Instrumentation & Measurement 1
Calendar Title: Instrumentation and Measurement 1.
Description: Introductions to safe laboratory practices, technical report-writing, electrically-based measurements and modern methods for instrumentation and control. Goals are that students can safely perform accurate measurements of physical variables without detailed theoretical knowledge. Common software for report writing and instrumentation are introduced and used extensively.
Notes:
(3-3-6)
Corequisite: CHEE 231
Restriction: Not open to U0 students.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 301
Credit Weight: 3
Transcript Title: Resource Recovery & Circular Use
Calendar Title: Resource Recovery and Circular Use.
Description: Introduction to the concept of seeing human-generated waste material and energy as valuable resources, and to the emerging practices related to the circular use of resources. Topics: 1. Distribution, availability and geopolitics of natural resources; waste production and waste hierarchy; environmental impacts; incentives for recovery; classifying waste, challenges associated with large-scale recovery; thermodynamics of waste and resource recovery. 2. Detailed examples of resource recovery. 3. Environmental, health and safety considerations, local regulations and international exchanges. 4. Circular use of resources and circular economy: reuse, upgrade, remanufacture, recycling; product and process design for circular use.
Notes:
(3-0-6)
Prerequisite(s): CHEE 204 and CHEE 220
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 310
Credit Weight: 3
Transcript Title: Physical Chemistry for Eng.
Calendar Title: Physical Chemistry for Engineers.
Description: Introduction to chemical kinetics, adsorption, surface tension, and electrochemistry. Topics emphasize applications of physical chemistry for chemical
engineers.

Notes:
(3-1-5)

Corequisite: CHEE 220
Restriction: Not open to students having taken CHEM 233.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 314
Credit Weight: 3
Transcript Title: Fluid Mechanics
Calendar Title: Fluid Mechanics.
Description:
Fluid properties; dimensional analysis; drag; packed/fluidized beds; macroscopic energy balances, Bernoulli's equation and linear momentum theorem; flowmeters, pipeline systems, non-Newtonian fluids, microscopic balances leading to continuity and Navier-Stokes equations; boundary layer approximation; turbulence. Laboratory exercises.

Notes:
(3-2-4)

Corequisite(s): MATH 264 and CHEE 204

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 315
Credit Weight: 3
Transcript Title: Heat and Mass Transfer
Calendar Title: Heat and Mass Transfer.
Description:
Transport of heat and mass by diffusion and convection; transport of heat by radiation; diffusion; convective mass transfer; drying; absorption; mathematical formulation of problems and equipment design for heat and mass transfer; laboratory exercises.

Notes:
(3-2-4)

Prerequisite: CHEE 314

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 351
Credit Weight: 3
Transcript Title: Separation Processes
Calendar Title: Separation Processes.
Description:
Concepts underlying equilibrium based separation, design of processes and equipment for distillation, absorption/stripping, liquid extraction, washing, and leaching. Consideration of mass transfer effects.

Notes:
(3-2-4)

Corequisites: CHEE 204, CHEE 315
Prerequisite: CHEE 220

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active
CHEE 363
Credit Weight: 2
Transcript Title: Projects Chem Eng 1
Calendar Title: Projects Chemical Engineering 1.
Description: Projects on social or technical aspects of chemical engineering practice. Students must find a supervisor amongst the departmental faculty before registering for this course. Students suggest their own projects to be approved by their supervisor. Students may work in groups.
Notes: (1-0-5) Students are required to submit a written report.
Prerequisite: CHEE 200 (A "D" grade is acceptable for prerequisite purposes only)
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 370
Credit Weight: 3
Transcript Title: Elements of Biotechnology
Calendar Title: Elements of Biotechnology.
Description: Biological macromolecules; cell structure and metabolism; industrially significant microbes; enzyme kinetics; introduction to molecular biology and genetic engineering, laboratory exercises.
Notes: (3-1-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 380
Credit Weight: 3
Transcript Title: Materials Science
Calendar Title: Materials Science.
Description: Structure/property relationship for metals, ceramics, polymers and composite materials. Atomic and molecular structure, bonds, electronic band structure and semi-conductors. Order in solids: crystal structure, disorders, solid phases. Mechanical properties and fracture, physico-chemical properties, design. Laboratory exercises.
Notes: (3-1-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 390
Credit Weight: 3
Transcript Title: Computational Methods:Chem Eng
Calendar Title: Computational Methods in Chemical Engineering.
Description: Linear systems of algebraic equations, Gaussian elimination; non-linear algebraic systems: Taylor series, incremental search, bisection method, linear interpolation, Newton-Raphson's method; differentiation and integration; initial value problems: Euler's and Runge Kutta's methods, stiff equations, adaptive
solvers; boundary value problems; curve fitting; numerical optimization; probability theory and stochastic simulation: Monte Carlo method.

Notes:
(3-1-5)
Prerequisites: CHEE 204, COMP 208, MATH 263
Corequisite: MATH 264
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 400
Credit Weight: 3
Transcript Title: Princ of Energy Conversion
Calendar Title: Principles of Energy Conversion.
Description:
Fossil fuels, renewable and nuclear energy resources and use. Principles of energy conversion and thermodynamic engine cycles. Solar radiation, heat, mechanical, chemical, nuclear, and electrical energy conversion processes.
Notes:
(3-1-5)
Prerequisite: CHEE 315, CHEE 484
Corequisite: CHEE 390
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 401
Credit Weight: 3
Transcript Title: Energy Systems Engineering
Calendar Title: Energy Systems Engineering.
Description:
Applied engineering principles of major energy technologies, including quantitative performance evaluation, cost and environmental impact. Criteria for energy system selection. System engineering methodologies for energy, including efficiency, project scope, trade-offs, energy consumption, and environmental impact.
Notes:
(3-1-5)
Prerequisite: CHEE 400
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 423
Credit Weight: 3
Transcript Title: Chemical Reaction Engineering
Calendar Title: Chemical Reaction Engineering.
Description:
Notes:
(3-1-5)
Prerequisites: CHEE 310, CHEE 315
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 440
Credit Weight: 3
Transcript Title: Process Modelling
Calendar Title: Process Modelling.
Description: Principles of mathematical modelling in chemical engineering: problem formulation, solution, discrete systems; difference and difference-differential equations, methods of solution; understanding system behaviour, optimization.
Notes: (3-1-5)
Prerequisites: MATH 264 and CHEE 423
Restriction: Not open to students who have taken CHEE 340

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 453
Credit Weight: 4
Transcript Title: Process Design
Calendar Title: Process Design.
Description: The role of the chemical engineer. Steps in the preparation of a process design. Detailed information about most common chemical engineering equipment. Materials of construction. Analysis of process control and application to large systems. Structure of process design systems. Safety, environmental control in plant design. Process design costing and return on investment. Computer-aided process and plant design programs.
Notes: (3-3-6)
Corequisite(s): CHEE 315; CHEE 351

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 455
Credit Weight: 3
Transcript Title: Process Control
Calendar Title: Process Control.
Description: Needs for process control; simple transient models and responses, first and higher-order systems, empirical determination of models, transfer functions and Laplace domain analysis, control loop hardware and associated realistic models; process and instrumentation diagrams; control philosophy; safety; open and closed loop responses; feedback control; stability analysis; controller tuning; feedforward, cascade and ratio control; control of batch and start-up processes.
Notes: (3-1-5)
Prerequisite: CHEE 291
Corequisite(s): CHEE 423, CHEE 453

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active
CHEE 456
Credit Weight: 9
Transcript Title: Design Project
Calendar Title: Design Project.
Description:
Chemical engineering process and plant design. Preliminary engineering design, feasibility analysis considering important decision factors such as economics, environmental impact, hazards and safety, site selection, sustainability and social acceptability. Professional skills such as: effective communication in a technical setting, ethics in engineering design, and effective teamwork.
Notes:
(2.5-1-10)
Corequisites: CHEE 453, FACC 300
Restriction: Not open to students who have taken CHEE 457.
Administrating Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 456D1
Credit Weight: 4.5
Transcript Title: Design Project
Calendar Title: Design Project.
Description:
Chemical engineering process and plant design. Preliminary engineering design, feasibility analysis considering important decision factors such as economics, environmental impact, hazards and safety, site selection, sustainability and social acceptability. Professional skills such as: effective communication in a technical setting, ethics in engineering design, and effective teamwork.
Notes:
Corequisites: CHEE 453, FACC 300
Restriction: Not open to students who have taken CHEE 457.
(2.5-1-10)
Administrating Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 456D2
Credit Weight: 4.5
Transcript Title: Design Project
Calendar Title: Design Project.
Description:
See CHEE 456D1 for course description.
Notes:
Corequisites: CHEE 453, FACC 300
Restriction: Not open to students who have taken CHEE 457.
(2.5-1-10)
Administrating Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 457
Credit Weight: 5
Transcript Title: Design Project 2
Calendar Title: Design Project 2.
Description:
Introduction to a process design and economic evaluation of projects, including environmental and safety aspects, for a major industrial operation. The following topics are also covered: plant site selection and social acceptability, plant ergonomics, ethics in engineering design, process safety, loss prevention and risk mitigation, green process design. Students work in small groups under an experienced plant design supervisor.

Notes:
(2-2-11)
Corequisite: FACC 300
Prerequisite: CHEE 456.
Restriction: Must be taken in the semester following CHEE 456.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Inactive

CHEE 474
Credit Weight: 3
Transcript Title: Biochemical Engineering
Calendar Title: Biochemical Engineering.
Description:
Bioreactor design for biotechnology and environmental applications; microbial growth kinetics; application of transport phenomena and selected chemical engineering unit operations. Bioreactor instrumentation and performance optimization. Air and media sterilization processes. Selected operations of downstream processing and product recovery.

Notes:
(3-1-5)
Corequisite: CHEE 315
Prerequisite: CHEE 370

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 484
Credit Weight: 3
Transcript Title: Materials Engineering
Calendar Title: Materials Engineering.
Description:
Processes for forming and producing engineering materials such as amorphous, semicrystalline, textured and crystal-oriented substances and composites. Phase transformations, nucleation and growth. Effect of processing variables on the properties of the finished article. Process of blending and alloying. Shaping and joining operations. Vessel equipment design for chemical engineering applications.

Notes:
(3-1-5)
Prerequisite: CHEE 380

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 491
Credit Weight: 4
Transcript Title: Instrumentation & Measurement 2
Calendar Title: Instrumentation and Measurement 2.
Description:
Measurement devices, valves, controllers and actuators; common failure modes and error sources; static and dynamic responses; first and higher-order instrument responses; calibration and biases; frequency response analysis; chemical analysis; elements of spectroscopy; optical measurements; integration projects for typical instruments used in chemical engineering.

Notes:
(3-3-6)
Prerequisite(s): CHEE 231, CHEE 455
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 494
Credit Weight: 3
Transcript Title: Research Project & Seminar 1
Calendar Title: Research Project and Seminar 1.
Description:
Independent study and experimental work on topic(s) chosen by consultation between the student and professor. Students must find a supervisor amongst the department faculty before registering for this course.
Notes:
(1-6-2)
Students are required to complete a written report and a presentation before the end of the semester.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 494D1
Credit Weight: 1.5
Transcript Title: Research Project & Seminar 1
Calendar Title: Research Project and Seminar 1.
Description:
Independent study and experimental work on topic(s) chosen by consultation between the student and professor. Students must find a supervisor amongst the department faculty before registering for this course.
Notes:
Students are required to complete a written report and a presentation before the end of the semester.
Students must register for both CHEE 494D1 and CHEE 494D2.
No credit will be given for this course unless both CHEE 494D1 and CHEE 494D2 are successfully completed in consecutive terms.
CHEE 494D1 and CHEE 494D2 together are equivalent to CHEE 494
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 494D2
Credit Weight: 1.5
Transcript Title: Research Project & Seminar 1
Calendar Title: Research Project and Seminar 1.
Description:
See CHEE 494D1 for course description.
Notes:
Prerequisite: CHEE 494D1
No credit will be given for this course unless both CHEE 494D1 and CHEE 494D2 are
CHEE 495
Credit Weight: 4
Transcript Title: Research Project & Seminar 2
Calendar Title: Research Project and Seminar 2.
Description:
Independent study and experimental work on topic(s) chosen by consultation between
the student and professor. Students must find a supervisor amongst the department
faculty before registering for this course.
Notes:
(1-9-2)
Students are required to complete a written report and a presentation before the
end of the semester.

CHEE 495D1
Credit Weight: 2
Transcript Title: Research Project & Seminar 2
Calendar Title: Research Project and Seminar 2.
Description:
Independent study and experimental work on topic(s) chosen by consultation between
the student and professor. Students must find a supervisor amongst the department
faculty before registering for this course.
Notes:
Students are required to complete a written report and a presentation before the
end of the semester.
Students must register for both CHEE 495D1 and CHEE 495D2.
No credit will be given for this course unless both CHEE 495D1 and CHEE 495D2 are
successfully completed in consecutive terms.
CHEE 495D1 and CHEE 495D2 together are equivalent to CHEE 495

CHEE 495D2
Credit Weight: 2
Transcript Title: Research Project & Seminar 2
Calendar Title: Research Project and Seminar 2.
Description:
See CHEE 495D1 for course description.
Notes:
Prerequisite: CHEE 495D1
No credit will be given for this course unless both CHEE 495D1 and CHEE 495D2 are
successfully completed in consecutive terms.
CHEE 495D1 and CHEE 495D2 together are equivalent to CHEE 495

CHEE 496
Credit Weight: 3
Transcript Title: Environmental Research Project
Calendar Title: Environmental Research Project.
Description:
Independent study and experimental work on environmental topic(s) chosen by consultation between the student and professor. Students must find a supervisor amongst department faculty before registering for this course.
Notes:
(1-6-2)
Students are required to complete a written report and a presentation before the end of the semester.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 496D1
Credit Weight: 1.5
Transcript Title: Environmental Research Project
Calendar Title: Environmental Research Project.
Description:
Independent study and experimental work on environmental topic(s) chosen by consultation between the student and professor. Students must find a supervisor amongst department faculty before registering for this course.
Notes:
Students are required to complete a written report and a presentation before the end of the semester.
Students must register for both CHEE 496D1 and CHEE 496D2.
No credit will be given for this course unless both CHEE 496D1 and CHEE 496D2 are successfully completed in consecutive terms
CHEE 496D1 and CHEE 496D2 together are equivalent to CHEE 496
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 496D2
Credit Weight: 1.5
Transcript Title: Environmental Research Project
Calendar Title: Environmental Research Project.
Description:
See CHEE 496D1 for course description.
Notes:
Prerequisite: CHEE 496D1
No credit will be given for this course unless both CHEE 496D1 and CHEE 496D2 are successfully completed in consecutive terms
CHEE 496D1 and CHEE 496D2 together are equivalent to CHEE 496
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 510
Credit Weight: 3
Transcript Title: Advanced Separation Processes
Calendar Title: Advanced Separation Processes.
Description:
Introduction to thermodynamics of ideal multicomponent vapour-liquid equilibrium concepts; distillation of multicomponent mixtures; numerical solution of the MESH
equations (mass balances, equilibrium expression, components, summations and enthalpy balances) for distillation columns operating under realistic conditions; introduction to non-ideal thermodynamics; gas absorption; simulation using commercial process simulation software.

Notes:
(3-0-6)
Prerequisite(s): CHEE 351
Restriction: Restricted to Chemical Engineering students

CHEE 511
Credit Weight: 3
Transcript Title: Catal for Sust Fuels & Chemicals
Calendar Title: Catalysis for Sustainable Fuels and Chemicals.

Description:

Notes:
(3-0-6)
Prerequisites: CHEE 204 and CHEE 310 or permission of instructor.
Course open to U3 Chemical Engineering undergraduate students and graduate students in Chemical Engineering.

CHEE 512
Credit Weight: 3
Transcript Title: Stem Cell Bioprocess Eng.
Calendar Title: Stem Cell Bioprocess Engineering.

Description:
Introduction to stem cell biology. Cell growth models applicable to stem cells and their progeny. Upstream processing (cell culture systems, bioreactors), downstream processing (cell separation, purification) and quality management (current good manufacturing practice, regulations) applied to therapeutic cells.

Notes:
(3-0-6)
Prerequisite(s): MATH 262 and CHEE 370 or BIOL 200, or Permission of Instructor.
Restriction: Open to undergraduate and graduate students registered in Chemical Engineering, as well as graduate students registered in the McGill Graduate Certificate in Regenerative Medicine program or in the M.Eng. in Biological and Biomedical Engineering program.

CHEE 515
Credit Weight: 3
Transcript Title: IntrfceDesign:BiomimeticApprch
Calendar Title: Interface Design: Biomimetic Approach.

Description:
Investigation of the factors that cause biological surfaces to have superb functionalities; chemical and physical concepts responsible for the respective
interfacial phenomena, such as surface tension, thermodynamics, kinetics, 
electrical double layers, surface wetting, adhesion and structural coloration;
comparison of nature's solutions to engineering problems with synthetic
approaches.

Notes:
(3-0-6)
Prerequisites: (CHEE 310 and CHEE 380) or (CHEM 233 and MIME 261 and MIME 317) or
permission of instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 521
Credit Weight: 3
Transcript Title: Nanomat & the Aquatic Environ
Calendar Title: Nanomaterials and the Aquatic Environment.
Description:
Environmental impacts and applications of nanomaterials. Topics: physicochemical
characterization of nanoparticles in aquatic media, colloid chemistry for
understanding nanoparticle aggregation and mobility in the environment, mechanisms
of reactive oxygen species (ROS) production by nanomaterials, nanomaterials for
environmental remediation and water treatment, methodologies for assessing
nanoparticle toxicity, novel research developments.

Notes:
3-0-6
Offered each year, one year by the Department of Chemical Engineering and one
year by the Department of Civil Engineering
Prerequisite(s): CHEE 315 or CIVE 225 or MIME 356 or equivalent; and CHEE 310 or
CIVE 430 or CHEM 233 or equivalent; or permission of instructor.
Restriction(s): Not open to students who have taken CIVE 521.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 541
Credit Weight: 3
Transcript Title: Electrochemical Engineering
Calendar Title: Electrochemical Engineering.
Description:
Electrochemical systems: electrodes, reactors. Electrochemical stoichiometry,
thermodynamics and kinetics. Mass and charge transport. Current and potential
distribution in an electrochemical reactor. Electrocatalysis. Fuel cells
technology. Batteries. Industrial electrochemical processes. Electrochemical
sensors. Biomedical electrochemistry. Passivity, corrosion and corrosion

Notes:
(3-0-6)
Prerequisite: CHEE 310 or permission of instructor.
Restriction: Not open to students who have taken CHEE 489.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 543
Credit Weight: 3
Transcript Title: Plasma Engineering
Calendar Title: Plasma Engineering.
Description:
Description of the plasma state and parameters, plasma generation methods, and of
the related process control and instrumentation. Electrical breakdown in gases and
a series of discharge models are covered. Plasma processing applications such as
PVD, PECVD, plasma polymerisation and etching, environmental applications,
nanoparticle synthesis, spraying and sterilization are treated.

Notes:
(3-1-5)
Prerequisites: CHEE 220 and CHEE 314 or equivalent.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 561
Credit Weight: 3
Transcript Title: Intro to Soft Tissue Biophys
Calendar Title: Introduction to Soft Tissue Biophysics.
Description:
Soft tissue structure and function: tissue, cell, and molecular scales.
Interstitial solute transport, modeling effective transport properties
(diffusivity, partitioning). Poroelastic mechanics, modeling of mechanical
properties (modulus, permeability). The electrical double layer, electrostatic
component of modulus, modeling electrokinetic phenomena (streaming potential,
electroosmosis). Applications: biomechanics, mechanobiology, tissue engineering,
functional assessment, biomedical entrepreneurship.

Notes:
(3-1-5)
Prerequisite: CHEE 315 or permission of the instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 563
Credit Weight: 3
Transcript Title: Biofluids & Cardiovascular Mech.
Calendar Title: Biofluids and Cardiovascular Mechanics.
Description:
Basic principles of circulation including vascular fluid and solid mechanics,
modelling techniques, clinical and experimental methods and the design of
cardiovascular devices.

Notes:
(3-0-6)
Prerequisites: CHEE 314 or MECH 331 or permission of instructor.
Restriction: Not open to students who have taken MECH 563.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 582
Credit Weight: 3
Transcript Title: Polymer Science & Engineering
Calendar Title: Polymer Science and Engineering.
Description:
Application of engineering fundamentals to the preparation and processing of
polymers emphasizing the relationship between polymer structure and properties.
Topics include: polymer synthesis techniques, characterization of molecular
weight, crystallinity, glass transition, phase behaviour, mechanical properties, visco-elasticity, rheology, and polymer processing for use in blends and composite materials.

Notes:
(3-0-6)
Prerequisite: CHEE 314 or equivalent.
Restriction: Not open to students who have taken CHEE 481.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 584
Credit Weight: 3
Transcript Title: Polymer Processing
Calendar Title: Polymer Processing.
Description:
Survey of polymer processing operations with emphasis on the application of polymer rheology and transport phenomena to predict performance, including polymer rheology and constitutive equations, mixing, extrusion, injection molding, coating flows, fiber spinning, film blowing, blow molding, compression molding, thermofoming and composites processing.
Notes:
(3-0-6)
Corequisite: CHEE 315 or MIME 356 or equivalent.
Restriction: Not open to students who have taken CHEE 684.

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 585
Credit Weight: 3
Transcript Title: Foundations of Soft Matter
Calendar Title: Foundations of Soft Matter.
Description:
Introduction to soft condensed matter. Atomic and molecular origins of hydrodynamics and elasticity. Microscale order and disorder, phase transitions and dynamics. Polymer solutions, melts and gels. Surfactants, self-assembled structures, and fluid membranes. Colloidal dispersions, their dynamics, gels and crystals. Liquid crystals. Integration of the foregoing topics with modern experimental techniques in soft-matter research.
Notes:
(3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 587
Credit Weight: 3
Transcript Title: Chem Processing:ElectronicsInd
Calendar Title: Chemical Processing: Electronics Industry.
Description:
Introduction to semiconductors and elementary semiconductor devices. Chemical processes and unit operations in the manufacture of microelectronic components with emphasis on silicon chip fabrication, fundamentals of crystal growth, photolithography, deposition of thin films, dopant diffusion, plasma and chemical etching, packaging. Safety and environmental concerns. Sustainability practices in this industry.
CHEE 591
Credit Weight: 3
Transcript Title: Environmental Bioremediation
Calendar Title: Environmental Bioremediation.
Description: The presence and role of microorganisms in the environment, the role of microbes in environmental remediation either through natural or human-mediated processes, the application of microbes in pollution control and the monitoring of environmental pollutants.
Notes: (3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Inactive

CHEE 592
Credit Weight: 3
Transcript Title: Ind. Air Pollution Control
Calendar Title: Industrial Air Pollution Control.
Description: Air pollution effects, control laws and regulations, measurements; emission estimates, meteorology for air pollution control engineers, dispersion models, nature of particulate pollutants, control of primary particulates, control of volatile organic compounds, sulfur oxides and nitrogen oxides; air pollutants and global climate.
Notes: (3-0-6)
Prerequisite: CHEE 314 or permission of instructor.
Restriction: Not open to students who have taken CHEE 472.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 593
Credit Weight: 3
Transcript Title: Indus Water Pollution Control
Calendar Title: Industrial Water Pollution Control.
Description: Wastewater constituents of concern; legislation pertinent to wastewater treatment; wastewater sampling and analysis techniques; process analysis and selection; physical, chemical and biological processes; advanced wastewater treatment methods; integration of sciences and engineering principles to design wastewater treatment processes.
Notes: (3-0-6)
Prerequisite: CHEE 314 or equivalent.
Restriction: Not open to students who have taken CHEE 471.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 594
Credit Weight: 3
Transcript Title: Biocolloids in Environ. Syst.
Calendar Title: Biocolloids in Environmental Systems.
Description: Principles of colloid chemistry for solid-liquid separations of environmental interest: (i) transport and fate of biocolloids and colloid-associated contaminants in waters and solids, and (ii) membrane-based water and wastewater filtration. Topics include: biocolloid-surface interactions, membrane process design, fouling and biofouling, experimental techniques, novel research developments.
Notes: (3-0-6)
Prerequisite: CHEE 315 or equivalent.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemical Engineering
Status (catalog level): Inactive

CHEE 611
Credit Weight: 4
Transcript Title: Heat and Mass Transfer
Calendar Title: Heat and Mass Transfer.
Description: General conservation equations for volumes and interfaces; scaling analysis and approximate solutions to diffusion problems; reaction-diffusion processes; phase changes; convective heat and mass transfer; selected advanced topics.
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 621
Credit Weight: 4
Transcript Title: Thermodynamics
Calendar Title: Thermodynamics.
Description: Theory and application of phase and chemical equilibria in multicomponent systems.
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 631
Credit Weight: 4
Transcript Title: Foundations of Fluid Mechanics
Calendar Title: Foundations of Fluid Mechanics.
Description: Rigorous derivation of equations of motion; creeping flow inviscid flow; boundary layer theory; hydrodynamic stability; turbulent flow, separated flows, drag on submerged bodies.
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 641
Credit Weight: 4
Transcript Title: Chemical Reaction Engineering
Calendar Title: Chemical Reaction Engineering.
Description:
Interpretation of chemical reaction data, especially for heterogeneous systems. Residence time, complete segregation, maximum mixedness, other advanced concepts. Reactor design.
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 651
Credit Weight: 4
Transcript Title: Adv Biochemical Engineering
Calendar Title: Advanced Biochemical Engineering.
Description:
The use of chemical engineering and biological principles in the study, design, use and creation of biologically-based processes and products. Topics: biochemical thermodynamics, protein engineering, manipulation of gene expression, transport phenomena and bioreactor design.
Notes:
Restriction: Restricted to graduate students
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 662
Credit Weight: 4
Transcript Title: Computational Methods
Calendar Title: Computational Methods.
Description:
Methods of weighted residuals; solution to non-linear algebraic equations; stability in nonlinear equations; bifurcations; mesh refinement strategies; convection dominated transport; hyperbolic equations, particle simulation methods.
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 672
Credit Weight: 4
Transcript Title: Process Dynamics and Control
Calendar Title: Process Dynamics and Control.
Description:
Process representation and identification and simulation; sensor stability; sensitivity of feedback control systems; feedward control; discrete representation of continuous systems; controller tuning; adaptive control.
Notes:
Prerequisite: CHEE 455
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 681
Credit Weight: 1
Transcript Title: Laboratory Safety 1
Calendar Title: Laboratory Safety 1.
Description:
The basics of laboratory safety in a chemical engineering laboratory. Mandatory safety orientation (administration, contacts, fire, waste, emergency procedures) and official WHIMIS training.

Notes:
The course must be completed by the end of the first semester in which the course is offered during the student's program. 
Restriction: Restricted to Chemical Engineering students.

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 682
Credit Weight: 1
Transcript Title: Laboratory Safety 2
Calendar Title: Laboratory Safety 2.
Description:
Demonstration of the safety of students' thesis experiments to the departmental safety committee.

Notes:
M.Eng. students must complete the course by the end of the first year of their degree. Ph.D. students must complete the course by the end of the third term of their degree.
Corequisite: CHEE 681
Restriction: Restricted to Chemical Engineering students.

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 687
Credit Weight: 2
Transcript Title: Research Skills and Ethics
Calendar Title: Research Skills and Ethics.
Description:
The course provides a foundation in three areas: (i) integrity and ethical conduct, (ii) knowledge dissemination and translation, and (iii) research management. Ethical considerations in situations involving conflict of interest, authorship, and intellectual property attributions are discussed. Students will gain experience in identifying and selecting key information for different situations. Best practices in data reporting, maintenance of research notebooks and legal aspects of data ownership and rights are discussed.

Notes:
Restriction(s): Restricted to graduate students registered in the Department of Chemical Engineering.

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 688
Credit Weight: 4
Transcript Title: Adv Materials in Chemical Eng
Calendar Title: Advanced Materials in Chemical Engineering.
Description:
Fundamentals of materials science and engineering for chemical engineers, applying thermodynamic, transport, reaction kinetics principles to the synthesis, characterization and performance of advanced nano-, micro- and meso-structured
materials, polymer solutions, gels, colloidal dispersions, emulsions, natural materials, bio-inspired materials, and composites. Applications of advanced materials in chemical engineering, including design for sustainability, and environmental/health considerations. Critical analysis of contemporary advanced-materials research literature.

Notes:
3-0-9

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 690
Credit Weight: 3
Transcript Title: Research Techniques
Calendar Title: Research Techniques.
Description: This course introduces techniques and develops skills necessary for commencing a particular thesis research project. A written report is required.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 695
Credit Weight: 6
Transcript Title: Project in Chemical Eng
Calendar Title: Project in Chemical Engineering.
Description: Independent work under the general direction of a full-time staff member, on a problem of industrially-oriented design or research leading to a comprehensive report.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 696
Credit Weight: 6
Transcript Title: Extended Project
Calendar Title: Extended Project.
Description: Extended independent work on a problem of industrially-oriented design or research, leading to a comprehensive project report.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 697
Credit Weight: 6
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description: Independent work under the supervision of the thesis advisor(s) leading to a thesis proposal.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering

Status (catalog level): Active

CHEE 698
Credit Weight: 12
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Ongoing research pertaining to thesis.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering

status (catalog level): Active

CHEE 698N1
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Ongoing research pertaining to thesis.
Notes:
Students must also register for CHEE 698N2
No credit will be given for this course unless both CHEE 698N1 and CHEE 698N2 are
successfully completed in a twelve month period
CHEE 698N1 and CHEE 698N2 together are equivalent to CHEE 698
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering

status (catalog level): Active

CHEE 698N2
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
See CHEE 698N1 for course description.
Notes:
Prerequisite: CHEE 698N1
No credit will be given for this course unless both CHEE 698N1 and CHEE 698N2 are
successfully completed in a twelve month period
CHEE 698N1 and CHEE 698N2 together are equivalent to CHEE 698
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering

status (catalog level): Active

CHEE 699
Credit Weight: 13
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
Ongoing research pertaining to thesis.
Notes:
Prerequisite: CHEE 698
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering

status (catalog level): Active
CHEE 795
Credit Weight: 0
Transcript Title: Ph.D. Thesis Proposal
Calendar Title: Ph.D. Thesis Proposal.
Description: Independent work under the supervision of the thesis advisor(s) leading to a thesis proposal.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 796
Credit Weight: 0
Transcript Title: Ph.D. Proposal Defence
Calendar Title: Ph.D. Proposal Defence.
Description: Presentation and defence of thesis proposal at an oral examination.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 797
Credit Weight: 0
Transcript Title: Ph.D. Seminar 1
Calendar Title: Ph.D. Seminar 1
Description: Presentation of a seminar on an aspect of the Ph.D. candidate's research thesis work.
Notes: Prerequisite: CHEE 796
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active

CHEE 798
Credit Weight: 0
Transcript Title: Ph.D. Seminar 2
Calendar Title: Ph.D. Seminar 2
Description: Presentation of a seminar on an aspect of the Ph.D. candidate's research thesis work.
Notes: Prerequisite: CHEE 797
Administering Faculty: Graduate Studies
Teaching Department: Chemical Engineering
Status (catalog level): Active
CHEM 110
Credit Weight: 4
Transcript Title: General Chemistry 1
Calendar Title: General Chemistry 1.
Description:
A study of the fundamental principles of atomic structure, radiation and nuclear chemistry, valence theory, coordination chemistry, and the periodic table.
Notes:
Fall
Prerequisites/corequisites: College level mathematics and physics or permission of instructor; CHEM 120 is not a prerequisite
Each lab section is limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 112
Credit Weight: 1
Transcript Title: General Chemistry Laboratory 1
Calendar Title: General Chemistry Laboratory 1.
Description:
Illustrative experiments. Laboratory section of CHEM 110. New students will be issued lab sections in OM 1 on the first day of classes.
Notes:
Fall
Open only to entering students who have the lecture equivalent of CHEM 110
Each lab section is limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 120
Credit Weight: 4
Transcript Title: General Chemistry 2
Calendar Title: General Chemistry 2.
Description:
A study of the fundamental principles of physical chemistry.
Notes:
Winter
Prerequisites/corequisites: College level mathematics and physics, or permission of instructor: CHEM 110 is not a prerequisite
Each lab section is limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 122
Credit Weight: 1
Transcript Title: General Chemistry Laboratory 2
Calendar Title: General Chemistry Laboratory 2.
Description:
Illustrative experiments. Laboratory section of CHEM 120.
Notes:
Winter
Open only to entering students who have the lecture equivalent of CHEM 120
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 180
Credit Weight: 3
Transcript Title: World of Chem: Environment
Calendar Title: World of Chemistry: Environment.
Description: Risks, water, air pollution, sick-building syndrome, the chemistry of the car, energy (fossil fuel, nuclear), nano and biotechnology, smells, garbage and human waste, dental chemistry and green chemistry.
Notes: Winter
No prerequisites
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 181
Credit Weight: 3
Transcript Title: World of Chem: Food
Calendar Title: World of Chemistry: Food.
Description: A series of lectures on the historical, practical, and simple chemical aspects of: food, food additives; vitamins; minerals, diet and cancer; dieting; food-borne illnesses, health food and cooking.
Notes: Winter
3 lecture hours/week
Restriction: Not open to students who have taken CHEM 150.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 182
Credit Weight: 3
Transcript Title: World of Chem: Technology
Calendar Title: World of Chemistry: Technology.
Description: Aspects of chemical technology including publishing of scientific articles, rocketry, space travel, materials (metals, plastics art), household products, forensic science, money, combustion science, computers and cosmetics.
Notes: Fall
3 lecture hours/week
Restriction: Not open to students who have taken CHEM 160.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 183
Credit Weight: 3
Transcript Title: World of Chem: Drugs
Calendar Title: World of Chemistry: Drugs.
Description: Drug history and marketing, over the counter drugs (e.g. aspirin, cough and cold remedies, allergy preparations), street and heart drugs, mental illness, hormones,
brain chemistry and diabetes.

**Notes:**
Fall
3 lecture hours/week

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

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**CHEM 203**

**Credit Weight:** 3

**Transcript Title:** Survey of Physical Chemistry

**Calendar Title:** Survey of Physical Chemistry.

**Description:**
The fundamentals of thermodynamics and chemical kinetics with applications to biomolecular systems. Thermodynamic and kinetic control of biological processes.

**Notes:**
Fall

**Prerequisites:** CHEM 110 and CHEM 120 or equivalent.

**Restrictions:** Intended for students in biological science programs requiring only one course in physical chemistry. Not open to students who have taken or are taking CHEM 204 or CHEM 213 or CHEM 223 and CHEM 243.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

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**CHEM 204**

**Credit Weight:** 3

**Transcript Title:** Physical Chem/Biological Scis1

**Calendar Title:** Physical Chemistry/Biological Sciences 1.

**Description:**
Similar to CHEM 223/CHEM 243. Emphasis on the use of biological examples to illustrate the principles of physical chemistry. The relevance of physical chemistry to biology is stressed.

**Notes:**
Fall, Winter

**Prerequisites:** CHEM 110 and CHEM 120 or equivalent and one full course in calculus

**Restriction:** Not open to students who have taken or are taking CHEM 203 or CHEM 213.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

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**CHEM 211**

**Credit Weight:** 3

**Transcript Title:** Organic Chemistry 1 Lectures

**Calendar Title:** Organic Chemistry 1 Lectures.

**Description:**
A survey of reactions of aliphatic and aromatic compounds including modern concepts of bonding, mechanisms, conformational analysis, and stereochemistry.

**Notes:**
Fall, Winter, Summer

**Prerequisite:** CHEM 110 or equivalent.

**Corequisite:** CHEM 120 or equivalent.

**Restrictions:** Not open to students who are taking or have taken CHEM 212 or equivalent. Permission of the Department of Chemistry is required.

**Note:** Some CEGEP programs provide equivalency for this course. For more
CHEM 212
Credit Weight: 4
Transcript Title: Intro Organic Chemistry 1
Calendar Title: Introductory Organic Chemistry 1.
Description:
A survey of reactions of aliphatic and aromatic compounds including modern concepts of bonding, mechanisms, conformational analysis, and stereochemistry.
Notes:
Fall, Winter, Summer
Prerequisite: CHEM 110 or equivalent.
Corequisite: CHEM 120 or equivalent.
Restriction: Not open to students who are taking or have taken CHEM 211 or equivalent
Each lab section is limited enrolment
Note: Some CEGEP programs provide equivalency for this course. For more information, please see the Department of Chemistry's Web page (http://www.chemistry.mcgill.ca/advising/outside/equivalent.htm).

CHEM 213
Credit Weight: 3
Transcript Title: Introductory Physical Chemistry 1: Thermodynamics.
Description:
Thermodynamics. Topics include gas laws, kinetic theory of collisions, heat capacity, enthalpy, thermochemistry, bond energies, the entropy and free energy functions, absolute entropies, Maxwell relations and chemical and thermodynamic equilibrium states, phase rule and phase diagrams, ideal solutions, colligative properties, solubility, electrochemistry, Debye-Hückel Theory.
Notes:
Corequisite(s): MATH 222
Prerequisites: CHEM 110, CHEM 120 or equivalent, PHYS 102 or PHYS 142, or permission of the instructor.
Restriction(s): Not open to students who have taken or are taking CHEM 204.

CHEM 214
Credit Weight: 3
Transcript Title: Physical Chemistry/Biological Sciences 2.
Description:
Emphasis is placed on the use of biological examples to illustrate the principles of physical chemistry. The relevance of physical chemistry to biology is stressed.
Notes:
Winter
Prerequisites: CHEM 204 or CHEM 223/CHEM 243.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 219
Credit Weight: 3
Transcript Title: Intro to Atmospheric Chemistry
Calendar Title: Introduction to Atmospheric Chemistry.
Description: An introduction to the basic topics in atmospheric chemistry. The fundamentals of the chemical composition of the atmosphere and its chemical reactions. Selected topics such as; a smog chamber, acid rain, and the ozone hole, will be examined.
Symbols: ALTY - Taught in alternate years
Notes: Winter
Prerequisites: CHEM 110 and CHEM 120, and one of MATH 139 or MATH 140 or MATH 150, or a CEGEP DEC in Science, or permission of instructor.
Restriction: Not open to students who have taken ATOC 219, CHEM 419, or ATOC 419
Offered in even years. Students should register in ATOC 219 in odd years
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 222
Credit Weight: 4
Transcript Title: Intro Organic Chemistry 2
Calendar Title: Introductory Organic Chemistry 2.
Description: Modern spectroscopic techniques for structure determination. The chemistry of alcohols, ethers, carbonyl compounds, and amines, with special attention to mechanistic aspects. Special topics.
Notes: Fall, Winter
Prerequisite: CHEM 212 or equivalent.
Restriction: Not open to students who have taken an equivalent Organic 2 at CEGEP (see McGill University Basic Math and Sciences Equivalence Table at www.mcgill.ca/mathscitable) or who have or are taking CHEM 234.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 224
Credit Weight: 1
Transcript Title: Organic Chemistry Laboratory 1
Calendar Title: Organic Chemistry Laboratory 1.
Description: Illustrative experiments in organic chemistry. Laboratory section of CHEM 212.
Notes: Fall, Winter, Summer
Open only to students who have the lecture equivalent of CHEM 212
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 232
Credit Weight: 4
Transcript Title: Organic Chemistry Principles
Calendar Title: Organic Chemistry Principles.
Description: A consideration of basic principals of the atom including body imaging techniques followed by a general summary of organic chemistry, its application to biological processes and everyday life, including principles of bonding, structure and stereochemistry. Some physical chemistry will be given as it relates to the properties of air and breathing.
Notes:
Fall
Restriction: Only open to students in the BN Program
Restriction: Not open to students in the B.Sc. Program
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 233
Credit Weight: 3
Transcript Title: Topics in Physical Chemistry
Calendar Title: Topics in Physical Chemistry.
Description: Introduction to chemical kinetics, surface and colloid chemistry and electrochemistry. The topics to be discussed will be of particular interest to students in chemical engineering.
Notes:
Winter
Restriction: For Engineers only.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 234
Credit Weight: 3
Transcript Title: Topics in Organic Chemistry
Calendar Title: Topics in Organic Chemistry.
Description: Modern spectroscopic techniques for structure determination. The chemistry of alcohols, ethers, carbonyl compounds, and amines, with special attention to mechanistic aspects. Special topics.
Notes:
Fall, Winter, Summer
Prerequisite: CHEM 212 or equivalent
Restriction: For Chemical Engineers only or permission of department.
Administering Faculty: Faculty of Engineering
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 244
Credit Weight: 1
Transcript Title: Organic Chemistry Lab 2
Calendar Title: Organic Chemistry Laboratory 2.
Description: Laboratory section of CHEM 222.
Notes:
Fall, Winter
Prerequisite: CHEM 234 or equivalent
Open only to students who have the lecture equivalent of CHEM 222.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 253
Credit Weight: 1
Transcript Title: Intrdctry Physcl Chemistry Lab
Calendar Title: Introductory Physical Chemistry Laboratory.
Description:
Illustrative experiments in physical chemistry.
Notes:
Prerequisite: CHEM 110, CHEM 120 or equivalent.
Corequisite: CHEM 204 or permission of instructor.
Restriction: Only open to B.A. & Sc.; Major Concentration in Chemistry students.
Not open to students who have taken or are taking CHEM 273.

CHEM 267
Credit Weight: 3
Transcript Title: Introductory Chemical Analysis
Calendar Title: Introductory Chemical Analysis.
Description:
Qualitative and quantitative analysis. A survey of methods of analysis including
theory and practice of semimicro qualitative analysis and representative
gravimetric, volumetric and instrumental methods. The laboratory component
includes introductory experiments in analytical chemistry emphasizing classical
and instrumental methods of quantitative analysis.
Notes:
Prerequisite(s): CHEM 110 and CHEM 120, or equivalent
Restriction(s): Not open to students who have taken CHEM 287 or CHEM 297

CHEM 273
Credit Weight: 3
Transcript Title: IntroPhysclChem2:Kinetics&Meth
Calendar Title: Introductory Physical Chemistry 2: Kinetics and Methods.
Description:
Kinetics: Transition State Theory, complex reactions, free-radical reactions,
chain reactions, catalysis, reactions at surfaces, ionic effects of reactions in
solution, photochemistry. Methods: physical chemistry laboratory, differential
equations and linear algebra applied to physical chemistry, computation methods
for data analysis and modeling
Notes:
Prerequisites: CHEM 213 and MATH 222
Restrictions: Not open to students who have taken or are taking CHEM 253.

CHEM 281
Credit Weight: 3
Transcript Title: Inorganic Chemistry 1
Calendar Title: Inorganic Chemistry 1.
Description:
Basic concepts of electronic structure and molecular bonding will be developed and applied to the understanding of common materials. Acid-base chemistry. Survey of the chemistry of the main group elements. Introduction to coordination and organometallic chemistry.
Notes:
Winter
Prerequisites: CHEM 110 and CHEM 120 or equivalent.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 287
Credit Weight: 2
Transcript Title: Intro Analytical Chemistry
Calendar Title: Introductory Analytical Chemistry.
Description:
Qualitative and quantitative analysis. A survey of methods of analysis including theory and practice of semimicro qualitative analysis and representative gravimetric, volumetric and instrumental methods.
Notes:
Fall
Prerequisites: CHEM 110 and CHEM 120, or CHEM 115, or equivalent. Corequisite: Students in CHEM 287 are required to take the laboratory, CHEM 297, either simultaneously with CHEM 287 or in the term following CHEM 287. Restrictions: Not open to students who have taken CHEM 257D1/D2 or CHEM 277D1/D2.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 297
Credit Weight: 1
Transcript Title: Intro Analytical Chem. Lab.
Calendar Title: Introductory Analytical Chemistry Laboratory.
Description:
Introductory experiments in analytical chemistry emphasizing classical and instrumental methods of quantitative analysis.
Notes:
Fall, Winter
Prerequisites: CHEM 110 and CHEM 120, or CHEM 115, or equivalent. Pre- or Co-requisite: CHEM 287. Restriction: Not open to students who have taken CHEM 257D1/D2 or CHEM 277D1/D2.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 302
Credit Weight: 3
Transcript Title: Intrdctry Organic Chemistry 3
Calendar Title: Introductory Organic Chemistry 3.
Description:
Topics covered may include the following: Aromatic compounds, heterocyclic chemistry, sulfur and phosphorus chemistry, organosulfur and organophosphorus compounds, and biomolecules such as lipids, carbohydrates, amino acids, polypeptides, DNA and RNA.
Notes:
Fall, Winter
Prerequisites: CHEM 222, or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 332
Credit Weight: 3
Transcript Title: Biological Chemistry
Calendar Title: Biological Chemistry.
Description:
An introduction to biological chemistry. Topics will include chemistry and structure of proteins, nucleic acids, and lipids; protein and nucleic acid biosynthesis; enzyme kinetics and mechanisms; membranes and membrane transport; bioenergetics; redox reactions in biological chemistry; gene expression; cloning, RNA and antibody technologies; genomics and proteomics.

Notes:
Prerequisite(s): CHEM 222 and CHEM 273.
Corequisite(s): CHEM 302
Restriction(s): Restricted to Chemistry Majors/Honours only except by permission of instructor.
Restriction(s): Not open to students who are taking or have taken BIOL 200 or BIOL 201.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 334
Credit Weight: 3
Transcript Title: Advanced Materials
Calendar Title: Advanced Materials.
Description:
Survey of the physical and chemical structure-function relationships defining advanced materials, including an introduction to basic materials science and characterization. Topics include supramolecular polymers, self-healing materials, advanced surfaces and adhesives, bio-inspired materials, shape memory materials, sensors and actuators, and photonic materials.

Notes:
Fall
Prerequisites: CHEM 110/CHEM 120 and PHYS 101/PHYS 102 or PHYS 131/PHYS 142, or CEGEP Physics and Chemistry, or equivalent. Prerequisite or Corequisite: one of CHEM 203, CHEM 204, CHEM 213 and CHEM 273, or equivalent; or one of PHYS 230 and PHYS 232, or equivalent; or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 345
Credit Weight: 3
Transcript Title: Intro to Quantum Chemistry
Calendar Title: Introduction to Quantum Chemistry.
Description:
An introduction to quantum chemistry covering the historical development, wave theory, methods of quantum mechanics, and applications of quantum chemistry.
Notes:
Fall
Prerequisites: CHEM 213 and CHEM 273, and PHYS 142, or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 355
Credit Weight: 3
Transcript Title: Applications of Quantum Chem.
Calendar Title: Applications of Quantum Chemistry.
Description: A survey of the principles of electronic, vibrational and rotational spectroscopy. Magnetic resonance and computational methods.
Notes:
Winter
Prerequisite: CHEM 345, PHYS 242, or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 362
Credit Weight: 2
Transcript Title: Advanced Organic Chem Lab
Calendar Title: Advanced Organic Chemistry Laboratory.
Description: An advanced laboratory with experiments related to the theoretical principles and synthetic methods of modern organic chemistry.
Notes:
Fall, Winter
Prerequisite or corequisite: CHEM 302. Not open to Honours or Majors in Chemistry
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 365
Credit Weight: 2
Transcript Title: Statistical Thermodynamics
Calendar Title: Statistical Thermodynamics.
Description: Molecular basis of thermodynamics with applications to ideal gases and simple solids. Topics to be covered will include: calculation of thermodynamic functions, chemical equilibrium constants, Einstein and Debye models of solids, absolute reaction rate theory, Debye-Hückel theory of strong electrolytes.
Notes:
Winter
Prerequisite: CHEM 345
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 367
Credit Weight: 3
Transcript Title: Instrumental Analysis 1
Calendar Title: Instrumental Analysis 1.
Description: An introduction to modern instrumental analysis emphasizing chromatography, atomic
spectroscopy and computational data analysis. Analytical methods to be examined in detail include gas-liquid and high performance liquid chromatography, LC mass spectrometry, and common methods of atomic determinations using flames/furnaces/plasma sources.

Notes:
Fall
Prerequisite(s): CHEM 267.
Each lab section is limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 377
Credit Weight: 3
Transcript Title: Instrumental Analysis 2
Calendar Title: Instrumental Analysis 2.
Description:
Spectroscopic methods of analysis will be studied with respect to fundamentals, operational aspects and instrument design. Topics will range from UV-visible to x-ray spectrometry. Methodologies will be evaluated with respect to their application in spectrometric systems. Laboratory automation will be studied and applied in the laboratory.
Notes:
Winter
Prerequisite: CHEM 367
Each lab section is limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 381
Credit Weight: 3
Transcript Title: Inorganic Chemistry 2
Calendar Title: Inorganic Chemistry 2.
Description:
Introduction to transition metal chemistry, coordination numbers and geometry, and nomenclature will be followed by a discussion of crystal field theory and its applications to problems in spectroscopy, magnetochemistry, thermodynamics and kinetics. Several aspects related to applications of organometallic compounds in catalysis and bioinorganic systems will be discussed.
Notes:
Fall
Prerequisite: CHEM 281.
Restriction: For Honours and Major Chemistry students
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 392
Credit Weight: 3
Transcript Title: Experimental Chemistry 1
Calendar Title: Experimental Chemistry 1.
Description:
Experiments related to the theoretical principles, synthetic techniques and instrumental methods used in modern experimental chemistry, including aspects of green chemistry and nanochemistry.
Notes:
Prerequisite/corequisites: CHEM 381 and CHEM 302. Advanced laboratory for Chemistry Honours and Majors students.

Restriction: Not open to students who have taken CHEM 362.

2 hours Drop-in lab
4 hours laboratory

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

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**CHEM 392D1**

**Credit Weight:** 1.5

**Transcript Title:** Experimental Chemistry 1

**Calendar Title:** Experimental Chemistry 1.

**Description:**
Experiments related to the theoretical principles, synthetic techniques and instrumental methods used in modern experimental chemistry, including aspects of green chemistry and nanochemistry.

**Notes:**
Fall, Winter
Prerequisite/corequisites: CHEM 381 and CHEM 302. Advanced laboratory for Chemistry Honours and Majors students.
Restriction: Not open to students who have taken CHEM 362.
2 hours Drop-in lab
4 hours laboratory

Students must register for both CHEM 392D1 and CHEM 392D2.

No credit will be given for this course unless both CHEM 392D1 and CHEM 392D2 are successfully completed in consecutive terms.

CHEM 392D1 and CHEM 392D2 together are equivalent to CHEM 392

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

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**CHEM 392D2**

**Credit Weight:** 1.5

**Transcript Title:** Experimental Chemistry 1

**Calendar Title:** Experimental Chemistry 1.

**Description:**
See CHEM 392D1 for course description.

**Notes:**
Fall, Winter
2 hours Drop-in lab
4 hours laboratory

Prerequisite: CHEM 392D1

No credit will be given for this course unless both CHEM 392D1 and CHEM 392D2 are successfully completed in consecutive terms.

CHEM 392D1 and CHEM 392D2 together are equivalent to CHEM 392

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

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**CHEM 396**

**Credit Weight:** 3

**Transcript Title:** Undergraduate Research Project

**Calendar Title:** Undergraduate Research Project.

**Description:**
Independent research project with a final written report.

Notes:
Fall, Winter

Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only. This course must be taken as an elective, and cannot be used to fulfill program requirements.

Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

**Although this is a research course from May 3rd until August 31st, it does not follow the standard add/drop and withdrawal deadlines. Therefore, add/drop is July 6th and withdrawal is August 3rd.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 400
Credit Weight: 1
Transcript Title: Independent Study in Chemistry
Calendar Title: Independent Study in Chemistry.
Description:
Supervised research.

Notes:
Fall, Winter

Prerequisites: CHEM 243, CHEM 222, CHEM 287, CHEM 281, plus at least one course in Chemistry at 300 level or higher.
Restrictions: Registration is restricted to Honours and Major students in Chemistry and requires the approval of the Course Instructor.

**Although this is a research course from May 3rd until August 31st, it does not follow the standard add/drop and withdrawal deadlines. Therefore, add/drop is July 6th and withdrawal is August 3rd.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 429
Credit Weight: 3
Transcript Title: Chem of Energy, Storage & Util
Calendar Title: Chemistry of Energy, Storage and Utilization.
Description:
Energy consumption and human development; green house gases; primary and secondary sources of energy, fuels vs. electricity; energy transport and storage; fossil fuels; nuclear energy; fusion and fission; bioenergetics, natural and artificial photosynthesis; novel materials; nanocomposites; photochemistry; electrochemistry; photovoltaics and batteries; fuel cells; catalysis and biomass.

Notes:
Prerequisites: CHEM 212; CHEM 223 and CHEM 243; or CHEM 213 and CHEM 273; or CHEM 204 or CHEM 203; or permission of instructor
Restriction: Not open to students who have taken CHEM 319.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

**CHEM 434**

**Credit Weight:** 3

**Transcript Title:** Advanced Materials

**Calendar Title:** Advanced Materials.

**Description:**
The physicochemical properties of advanced materials. Topics discussed include photonics, information storage, 'smart' materials, biomaterials, clean energy materials, porous materials, and polymers.

**Notes:**
Prerequisites: One of CHEM 203, CHEM 204, or CHEM 223 or equivalent, and one of CHEM 214 or 243 or equivalent, and CHEM 381 or equivalent, or permission of instructor.

Restrictions: Not open to students who have taken CHEM 334.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

**CHEM 462**

**Credit Weight:** 3

**Transcript Title:** Green Chemistry

**Calendar Title:** Green Chemistry.

**Description:**
New reactions and methods which can be used for the production of chemicals from renewable feedstocks; the use of new environmentally benign solvents, catalysts and reagents; organic reactions in aqueous media and in supercritical carbon dioxide; bio-catalysis and bio-processes.

**Notes:**
Fall
Prerequisites: CHEM 302 and CHEM 381

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active

**CHEM 470**

**Credit Weight:** 6

**Transcript Title:** Research Project 1

**Calendar Title:** Research Project 1.

**Description:**
A course designed to give students research experience. The student will be assigned a project supervisor and a research project at the beginning of the session. The project will consist of a literature survey, experimental and /or theoretical work, a written research report and an oral examination.

**Notes:**
Fall, Winter
Prerequisite: registration by Departmental permission only

**Although this is a research course from May 3rd until August 31st, it does not follow the standard add/drop and withdrawal deadlines. Therefore, add/drop is July 6th and withdrawal is August 3rd.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Chemistry

**Status (catalog level):** Active
CHEM 470D1
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
A course designed to give students research experience. The student will be assigned a project supervisor and a research project at the beginning of the session. The project will consist of a literature survey, experimental and/or theoretical work, a written research report and an oral examination.
Notes:
Fall, Winter
Students must register for both CHEM 470D1 and CHEM 470D2.
No credit will be given for this course unless both CHEM 470D1 and CHEM 470D2 are successfully completed in consecutive terms
CHEM 470D1 and CHEM 470D2 together are equivalent to CHEM 470
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 470D2
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
See CHEM 470D1 for course description.
Notes:
Fall, Winter
Prerequisite: CHEM 470D1
No credit will be given for this course unless both CHEM 470D1 and CHEM 470D2 are successfully completed in consecutive terms
CHEM 470D1 and CHEM 470D2 together are equivalent to CHEM 470
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 480
Credit Weight: 3
Transcript Title: Undergrad Research Project 2
Calendar Title: Undergraduate Research Project 2.
Description:
A course designed to give students additional research experience. The student will be assigned a project supervisor and a research project at the beginning of the session. The project will consist of a literature survey, experimental or theoretical work, a written research report and an oral examination.
Notes:
Fall, Winter, Summer
Prerequisite: CHEM 396 or CHEM 470. Registration by Departmental permission only.
**Although this is a research course from May 3rd until August 31st, it does not follow the standard add/drop and withdrawal deadlines. Therefore, add/drop is July 6th and withdrawal is August 3rd.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 480D1
Credit Weight: 1.5  
Transcript Title: Undergrad Research Project 2  
Calendar Title: Undergraduate Research Project 2.  
Description:  
A course designed to give students additional research experience. The student will be assigned a project supervisor and a research project at the beginning of the session. The project will consist of a literature survey, experimental or theoretical work, a written research report and an oral examination.  
Notes:  
Fall, Winter, Summer  
Students must register for both CHEM 480D1 and CHEM 480D2.  
No credit will be given for this course unless both CHEM 480D1 and CHEM 480D2 are successfully completed in consecutive terms.  
CHEM 480D1 and CHEM 480D2 together are equivalent to CHEM 480.  
Prerequisite(s): CHEM 396 or CHEM 470. Registration by Departmental permission only.  
Administering Faculty: Faculty of Science  
Teaching Department: Chemistry  
Status (catalog level): Active

CHEM 480D2  
Credit Weight: 1.5  
Transcript Title: Undergrad Research Project 2  
Calendar Title: Undergraduate Research Project 2.  
Description:  
A course designed to give students additional research experience. The student will be assigned a project supervisor and a research project at the beginning of the session. The project will consist of a literature survey, experimental or theoretical work, a written research report and an oral examination.  
Notes:  
Fall, Winter, Summer  
Prerequisite: CHEM 396 or CHEM 470 and CHEM 480D1. Registration by Departmental permission only.  
No credit will be given for this course unless both CHEM 480D1 and CHEM 480D2 are successfully completed in consecutive terms.  
CHEM 480D1 and CHEM 480D2 together are equivalent to CHEM 480.  
Administering Faculty: Faculty of Science  
Teaching Department: Chemistry  
Status (catalog level): Active

CHEM 482  
Credit Weight: 3  
Transcript Title: Organic Chem:Natural Products  
Calendar Title: Organic Chemistry: Natural Products.  
Description:  
Structure, synthesis, stereochemistry and biosynthesis of terpenes, alkaloids, antibiotics and selected molecules of medicinal interest.  
Notes:  
Prerequisite: CHEM 302  
Restriction(s): Not open to students who have taken CHEM 382.  
Winter  
Administering Faculty: Faculty of Science  
Teaching Department: Chemistry  
Status (catalog level): Active

CHEM 493
Credit Weight: 2
Transcript Title: Advanced Physical Chem Lab
Calendar Title: Advanced Physical Chemistry Laboratory.
Description:
Selected experiments to illustrate more advanced physico-chemical principles.
Notes:
Prerequisite(s): CHEM 273 and CHEM 345 or permission of the instructor.
Corequisite(s): CHEM 355
Fall, Winter
Each lab section has limited enrolment.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 493D1
Credit Weight: 1
Transcript Title: Advanced Physical Chem Lab
Calendar Title: Advanced Physical Chemistry Laboratory.
Description:
Selected experiments to illustrate more advanced physico-chemical principles.
Notes:
Prerequisite(s): CHEM 273 and CHEM 345 or permission of the instructor.
Fall, Winter
Each lab section has limited enrolment.
Students must register for both CHEM 493D1 and CHEM 493D2.
No credit will be given for this course unless both CHEM 493D1 and CHEM 493D2 are successfully completed in consecutive terms.
CHEM 493D1 and CHEM 493D2 together are equivalent to CHEM 493.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 493D2
Credit Weight: 1
Transcript Title: Advanced Physical Chem Lab
Calendar Title: Advanced Physical Chemistry Laboratory.
Description:
See CHEM 493D1 for course description.
Notes:
Prerequisite(s): CHEM 493D1.
Fall, Winter
Each lab section has limited enrolment.
Students must register for both CHEM 493D1 and CHEM 493D2.
No credit will be given for this course unless both CHEM 493D1 and CHEM 493D2 are successfully completed in consecutive terms.
CHEM 493D1 and CHEM 493D2 together are equivalent to CHEM 493.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 502
Credit Weight: 3
Transcript Title: Advanced Bio-Organic Chemistry
Calendar Title: Advanced Bio-Organic Chemistry.
Description:
This course will cover biologically relevant molecules, particularly nucleic
acids, proteins, and their building blocks. In each case, synthesis and biological functions will be discussed. The topics include synthesis of oligonucleotides and peptides; chemistry of phosphates; enzyme structure and function; coenzymes, and enzyme catalysis; polyketides; antiviral and anticancer agents.

Notes:
Winter
Prerequisite: CHEM 302
Restriction: Not open to students who have taken CHEM 402.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 503
Credit Weight: 3
Transcript Title: Drug Discovery
Calendar Title: Drug Discovery.
Description:
The aim of this course is to provide an introduction to the overall drug discovery process. The main focus of the course will be on medicinal chemistry, synthesis and catalysis, as they relate to large-scale production of pharmaceutical agents. However, other aspects of drug discovery, including structural research (e.g. NMR, X-ray), biochemistry, drug metabolism and bioavailability will also be included.

Notes:
Fall
Prerequisite(s): CHEM 302 and one of BIOL 200 or CHEM 332, or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 505
Credit Weight: 3
Transcript Title: Comp Model of Molecules & Mtls
Calendar Title: Computer Modeling of Molecules and Materials.
Description:
A comprehensive introduction to computational methods and software for graduate students and advanced undergraduates. The main focus of the course is on important practical aspects of chemistry-related computer modeling: how to perform simulations reliably and efficiently, and how to interpret simulation results. Two main classes of computer simulations--electronic structure methods and statistical mechanics methods--will be discussed in detail together with a wide range of chemical examples.

Notes:
Prerequisite(s): CHEM 345 or equivalent and CHEM 365 or PHYS 329 or equivalent, and COMP 202 or COMP 208 or equivalent.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 512
Credit Weight: 3
Transcript Title: Catalysis, Concepts and App
Calendar Title: Catalysis, Concepts and Applications.
Description:
General concepts governing catalysis and practical aspects of its implementation including its most important applications. A global perspective on industrial catalysis. A general introduction about catalysis including homogeneous catalysis,
heterogeneous catalysis, organocatalysis, and biocatalysis. A select number of reactions will be studied in detail, based on the most recent research efforts made in the field of catalysis.

Notes:
Prerequisites: CHEM 381, CHEM 302, CHEM 243
Restriction: Course open to U3 undergraduate students and graduate students
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 514
Credit Weight: 3
Transcript Title: Biophysical Chemistry
Calendar Title: Biophysical Chemistry.
Description:
Physical chemistry concepts needed to understand the function of biological systems at the molecular level, including the structure, stability, transport, and interactions of biological macromolecules.
Notes:
Winter
Prerequisite: CHEM 203 or CHEM 204 or CHEM 223 and CHEM 243, or permission of instructor.
Restriction: Not open to students who have taken CHEM 404.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 516
Credit Weight: 3
Transcript Title: Nuclear and Radiochemistry
Calendar Title: Nuclear and Radiochemistry.
Description:
Basic properties of the atomic nucleus, nuclear reactions as well as nuclear fission. Kinetics of the radioactive decay, the interaction of radiation with matter and the different kinds of radiation. Hot atom chemistry, modern aspects of medicinal radiochemistry such as Positron Emission Tomography.
Notes:
Prerequisite(s): CHEM 302 and (CHEM 214 or higher, or CHEM 281), or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 519
Credit Weight: 3
Transcript Title: Advances in Chem of Atmosphere
Calendar Title: Advances in Chemistry of Atmosphere.
Description:
Exploration of the field of atmospheric chemistry that is identified as the significant driver of climate change and the cause of millions of premature death every year. Discussion of cutting-edge novel technologies for observing and quantifying pollutants (from ground to satellite) using artificial intelligence, the fate of emerging contaminants (e.g., nano/microplastics, trace metals, persistent organic), and modelling of atmospheric and interfacial processes. Examination of topics like atmospheric gaseous and multiphase components like bioaerosols. Study of photochemical, photophysical, and aerosol nucleation processes that affect air quality, climate change, and ecosystem health.
Notes:
Prerequisites: CHEM 213, CHEM 273, MATH 222, MATH 315 or equivalents, or permission of the instructor.
Restriction(s): Not open to students who have taken or are taking ATOC 519.
3 lectures
Cross Linked courses: ATOC 519
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 520
Credit Weight: 3
Transcript Title: Methods in Chemical Biology
Calendar Title: Methods in Chemical Biology.
Description:
An overview of advanced techniques at the leading edge of Chemical Biology, including some or all of: biological imaging, kinetics of enzyme inhibition, combinatorial synthesis, atomic force microscopy of biological molecules, self assembling biomimetic structures, oligonucleotide therapeutics, biomolecular X-ray crystallography, computational methods, and nuclear magnetic resonance applied to protein interactions.
Notes:
Fall
Prerequisites: BIOL 200 and CHEM 345 and CHEM 302, or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 522
Credit Weight: 3
Transcript Title: Stereochemistry
Calendar Title: Stereochemistry.
Description:
Stereoisomers, their nomenclature and configuration. Conformational analysis, separation of stereoisomers, and stereocontrol in organic synthesis.
Notes:
Winter
Prerequisite: CHEM 302
Restriction: Not open to students who have taken CHEM 623
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 531
Credit Weight: 3
Transcript Title: Chem of Inorganic Materials
Calendar Title: Chemistry of Inorganic Materials.
Description:
Structure, bonding, synthesis, properties and applications of covalent, ionic, metallic crystals, and amorphous solids. Defect structures and their use in synthesis of specialty materials such as electronic conductors, semiconductors, and superconductors, and solid electrolytes. Basic principles of composite materials and applications of chemistry to materials processing.
Notes:
Winter
Prerequisite: CHEM 381
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 532
Credit Weight: 3
Transcript Title: Structural Organic Chemistry
Calendar Title: Structural Organic Chemistry.
Description: A practical course on the application of modern spectroscopic methods for the determination of structures of complex organic and organometallic compounds.
Notes: Winter
Prerequisite: CHEM 302
Restriction: Not open to students who have taken CHEM 352
3 hours lecture
1 hour Drop-in lab
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 533
Credit Weight: 3
Transcript Title: Small Molecule Crystallography
Calendar Title: Small Molecule Crystallography.
Description: Fundamentals of x-ray diffraction related to small molecule structure resolution, space groups, diffraction theory, strategies for structure solution, and refinement will be covered.
Notes: Winter
Prerequisite: CHEM 355 or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 534
Credit Weight: 3
Transcript Title: Nanoscience and Nanotechnology
Calendar Title: Nanoscience and Nanotechnology.
Description: Topics discussed include scanning probe microscopy, chemical self-assembly, computer modelling, and microfabrication/micromachining.
Notes: Fall
Prerequisites: CHEM 434 or PHYS 334 or permission of instructor
Corequisites: one of CHEM 345, PHYS 357, or PHYS 346 or permission of instructor
Restriction: Not open to students who have taken or are taking PHYS 534
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 540
Credit Weight: 3
Transcript Title: Advances in Ind Biotech
Calendar Title: Advances in Industrial Biotechnology.
Description:
Introduction to emerging technologies and research advances in biotechnologies. Topics include semisynthetic production of drugs and drug candidates through large-scale fermentation, next generation synthesis of DNA and whole genes, green toxicology, single-molecule diagnostics, orphan-drug re-purposing, and next-generation genomic analyses in drug development. Translational research, issues of entrepreneurship, sustainability, and ethics are also covered.

Notes:
Prerequisite: CHEM 222 (or equivalent) and BIOL 200 or CHEM 332
Restriction: U3 Students or higher. Not open to students who have taken or are taking PHAR 540.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 542
Credit Weight: 3
Transcript Title: Advanced Nucleic Acid Chemistry
Calendar Title: Advanced Nucleic Acid Chemistry.
Description:

Notes:
Prerequisites: CHEM 302 CHEM 332 or BIOL 200 BIOL 201 or permission of the instructor.

 Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 552
Credit Weight: 3
Transcript Title: Physical Organic Chemistry
Calendar Title: Physical Organic Chemistry.
Description:
The correlation of theory with physical measurements on organic systems; an introduction to photochemistry; solvent and substituent effects on organic reaction rates, etc.; reaction mechanisms.

Notes:
Winter
Prerequisite: CHEM 302

 Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 555
Credit Weight: 3
Transcript Title: Magnetic Resonance Spectroscopy
Calendar Title: Magnetic Resonance Spectroscopy.
Description:
The fundamental principles underlying Nuclear magnetic resonance (NMR), Electron Paramagnetic resonance (EPR) and Magnetic Resonance Imaging (MRI) will be covered
and applied to biomolecules and materials chemistry. Topics include multidimensional spectra, molecular dynamics, the density matrix, and the product operator formalism.

Notes:
Winter
Prerequisite: CHEM 355 or equivalent

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 556
Credit Weight: 3
Transcript Title: Advanced Quantum Mechanics
Calendar Title: Advanced Quantum Mechanics.
Description: Quantum mechanical treatment of species of chemical interest. Introduction to perturbation theory, both time-dependent and time-independent. Treatment of the variational principle. Introduction to atomic spectra. Chemical bonding in terms of both the valence bond and molecular orbital theory. Elementary collision theory. Interaction of radiation with molecules.

Notes:
Fall
Prerequisites: CHEM 345 and PHYS 242

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 571
Credit Weight: 3
Transcript Title: Polymer Synthesis
Calendar Title: Polymer Synthesis.
Description: A survey of polymer preparation and characterization; mechanisms of chain growth, including free radical, cationic, anionic, condensation and transition metal-mediated polymerization, and the effects of these mechanisms on polymer architecture; preparation of alternating, block, graft and stereoblock copolymers; novel macromolecular structures including dendrimers and other nanostructures.

Notes:
Fall
Prerequisite: CHEM 302 or equivalent, or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 572
Credit Weight: 3
Transcript Title: Synthetic Organic Chem
Calendar Title: Synthetic Organic Chemistry.
Description: Synthetic methods in organic chemistry and their application to the synthesis of complex molecules.

Notes:
Winter
Prerequisite: CHEM 382

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active
CHEM 574
Credit Weight: 3
Transcript Title: Intro Polymer Chemistry
Calendar Title: Introductory Polymer Chemistry.
Description:
A survey course on the structure of polymers, kinetics and mechanisms of polymer and copolymer synthesis; characterization and molecular weight distributions; polymer microstructure, the thermodynamics of polymer solutions; the crystalline and amorphous states, rubber elasticity and structure-property relationships.
Notes:
Fall
Prerequisite(s): Prerequisites: CHEM 223 and CHEM 243 or CHEM 213 and CHEM 273, or CHEM 233 (for engineering students only), or permission of the instructor.
Restriction(s): Not open to students who have taken CHEM 455 or CHEM 674.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 575
Credit Weight: 3
Transcript Title: Chemical Kinetics
Calendar Title: Chemical Kinetics.
Description:
Kinetic laws, measurement of reaction rates, transition state and collision theory, experimental techniques in reaction kinetics, reaction mechanisms, RRKM theory, Marcus theory of electron transfer, photochemistry and catalysis. Recent developments and their application to chemical and biological problems. Elementary reactions in gas, solution and solid phases and on surfaces.
Notes:
Winter
Prerequisites: CHEM 273 and CHEM 223/CHEM 243 (formerly CHEM 213).
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 577
Credit Weight: 3
Transcript Title: Electrochemistry
Calendar Title: Electrochemistry.
Description:
Fundamentals of electrochemistry and the application of electrochemical methods to chemical and biochemical problems. Emphasis is given to the study of electrode reaction mechanisms and the interpretation of electrochemical results for organic and inorganic systems. Voltammetric and coulometric methods are rigorously discussed. Several topics of interest in electrochemistry will be covered as time permits.
Notes:
Prerequisite(s): CHEM 243 or CHEM 203/CHEM 204, CHEM 367 and CHEM 377
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 582
Credit Weight: 3
Transcript Title: Supramolecular Chemistry
Calendar Title: Supramolecular Chemistry.
Description:
Introduction to supramolecular organization will be followed by discussions on the nature of interactions and methodologies to create ordered aggregates of high complexity. Potential of supramolecular chemistry in fabricating smart materials will be explored using specific topics including inclusion chemistry, dendrimers, molecular self-assembly and crystal engineering.
Notes:
Winter
Prerequisites: CHEM 222, CHEM 381
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 585
Credit Weight: 3
Transcript Title: Colloid Chemistry
Calendar Title: Colloid Chemistry.
Description:
Principles of the physical chemistry of phase boundaries. Electrical double layer theory; van der Waals forces; Brownian motion; kinetics of coagulation; electrokinetics; light scattering; solid/liquid interactions; adsorption; surfactants; hydrodynamic interactions; rheology of dispersions.
Notes:
Winter
Prerequisites: CHEM 345, MATH 233 and MATH 315, PHYS 241 and PHYS 242. Students who haven't taken CHEM 223 and CHEM 243 must have taken CHEM 273 or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 591
Credit Weight: 3
Transcript Title: Bioinorganic Chemistry
Calendar Title: Bioinorganic Chemistry.
Description:
The roles of transition and main group elements in biology and medicine will be examined with an emphasis on using tools for structure and genome searching as well as becoming acquainted with experimental spectroscopic methods useful for bioinorganic chemistry such as macromolecular X-ray diffraction, EPR and EXAFS.
Notes:
Winter
Prerequisite: CHEM 381
Restriction: For Honours and Major Chemistry students or with permission
Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 593
Credit Weight: 3
Transcript Title: Statistical Mechanics
Calendar Title: Statistical Mechanics.
Description:
Intermediate topics in statistical mechanics, including: modern and classical theories of real gases and liquids, critical phenomena and the renormalization
group, time-dependent phenomena, linear response and fluctuations, inelastic scattering, Monte Carlo and molecular dynamics methods.

Notes:
Winter
Term paper
Prerequisite: CHEM 345. Recommended: CHEM 365

Administering Faculty: Faculty of Science
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 603
Credit Weight: 3
Transcript Title: Principles and Applications of Materials Characterization.
Calendar Title: Principles and Applications of Materials Characterization.
Description:
Fundamentals of materials characterization methods and their applications in materials chemistry. Topics include static and dynamic mechanical testing, vibrational spectroscopy (Raman and FTIR), surface-based spectroscopies (XPS, Auger), advanced electron microscopy methods, X-ray absorption spectroscopy and X-ray diffraction (pXRD, WAXD, SAXS).
Notes:
Prerequisite(s): CHEM 355 or equivalent, or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 612
Credit Weight: 5
Transcript Title: Organometallic Chemistry
Calendar Title: Organometallic Chemistry.
Description:
A first course at the graduate level in organometallic chemistry. The theory and practice of the field is treated starting from basic principles of inorganic and organic chemistry.

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 621
Credit Weight: 5
Transcript Title: Reaction Mech in Org Chem
Calendar Title: Reaction Mechanisms in Organic Chemistry.
Description:
A systematic survey of the mechanisms of the most common organic reactions from studies of reactions in the current literature.

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 629
Credit Weight: 5
Transcript Title: Organic Synthesis
Calendar Title: Organic Synthesis.
Description:
An advanced course in the synthesis of organic molecules with an emphasis on stereoselective transformations. Topics will include multiple bond formation, functional group interconversions, carbon-carbon bond formation and
stereoselective oxidations and reductions.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Chemistry  
**Status (catalog level):** Active

**CHEM 634**  
**Credit Weight:** 3  
**Transcript Title:** Seminar in Advanced Materials  
**Calendar Title:** Seminar in Advanced Materials.  
**Description:**  
A series of research-level seminars about topics of current interest in advanced materials. Topics include molecular and nanoelectronics, computational approaches to materials design and property predictions, new techniques in molecular and atomic imaging, advances in materials preparation, quantum devices and quantum computing.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Chemistry  
**Status (catalog level):** Active

**CHEM 650**  
**Credit Weight:** 1  
**Transcript Title:** Seminars in Chemistry 1  
**Calendar Title:** Seminars in Chemistry 1.  
**Description:**  
A seminar course designed for graduate students in chemistry which in conjunction with McGill Chemical Society will provide exposure to a broad range of special topics within the discipline.  
**Notes:**  
1 seminar  
Required of first year graduate students in Chemistry.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Chemistry  
**Status (catalog level):** Active

**CHEM 651**  
**Credit Weight:** 1  
**Transcript Title:** Seminars in Chemistry 2  
**Calendar Title:** Seminars in Chemistry 2.  
**Description:**  
A seminar course designed for graduate students in chemistry which in conjunction with McGill Chemical Society will provide exposure to a broad range of special topics within the discipline.  
**Notes:**  
1 seminar  
Required of first year graduate students in Chemistry.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Chemistry  
**Status (catalog level):** Active

**CHEM 666**  
**Credit Weight:** 6  
**Transcript Title:** Special Topics 2  
**Calendar Title:** Special Topics 2.  
**Description:**  
Critical and original essays are required on various subjects of current interest in chemistry.  
**Administering Faculty:** Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 667
Credit Weight: 4
Transcript Title: Special Topics 3
Calendar Title: Special Topics 3.
Description:
Critical and original essays are required on various subjects of current interest in chemistry.
Notes:
Due to the nature of this course, the standard add/drop and withdrawal deadlines do not apply. Web add/drop is July 6, 2020 and web withdrawal is August 3, 2020
Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 688
Credit Weight: 3
Transcript Title: Progress Assessment 1
Calendar Title: Progress Assessment 1.
Description:
An evaluation that is completed before the end of the second year of registration.
Notes:
Restriction: Restricted to graduate students in Chemistry.
Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 691
Credit Weight: 3
Transcript Title: M.Sc. Thesis Research 1
Calendar Title: M.Sc. Thesis Research 1.
Description:
Independent research work leading to writing of M.Sc. thesis for final submission to Graduate and Postdoctoral Studies.
Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 692
Credit Weight: 6
Transcript Title: M.Sc. Thesis Research 2
Calendar Title: M.Sc. Thesis Research 2.
Description:
Independent research work leading to writing of M.Sc. thesis for final submission to Graduate and Postdoctoral Studies.
Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 693
Credit Weight: 9
Transcript Title: M.Sc. Thesis Research 3
Calendar Title: M.Sc. Thesis Research 3.
Description:
Independent research work leading to writing of M.Sc. thesis for final submission to Graduate and Postdoctoral Studies.

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 694
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 4
Calendar Title: M.Sc. Thesis Research 4.
Description: Independent research work leading to writing of M.Sc. thesis for final submission to Graduate and Postdoctoral Studies.

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 695
Credit Weight: 15
Transcript Title: M.Sc. Thesis Research 5
Calendar Title: M.Sc. Thesis Research 5.
Description: Independent research work leading to writing of M.Sc. thesis for final submission to Graduate and Postdoctoral Studies.

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 701
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: An evaluation that is completed before the end of the third year of registration.
Notes: Restriction: Ph.D. students in Chemistry.

Administering Faculty: Graduate Studies
Teaching Department: Chemistry
Status (catalog level): Active

CHEM 702
Credit Weight: 0
Transcript Title: Progress Assessment 2
Calendar Title: Progress Assessment 2.
Description: An evaluation that is completed before the end of the fourth year of registration.
Notes: Restriction: Ph.D. students in Chemistry.
CHLC 351
Credit Weight: 3
Transcript Title: Founds of Hlth & Soc Serv Sys
Calendar Title: Foundations of Health and Social Services Systems.
Description:
This course will provide an overview of private and public social services within Quebec and its evolution over the last century. It will examine the structures, functions and relations of social organizations. Students will achieve an understanding of the nature of the social services and the subjective impact of seeking and providing help.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 401
Credit Weight: 3
Transcript Title: Eval of Health & Soc Services
Calendar Title: Evaluation of Health and Social Services.
Description:
Understanding the responsibility of management for the timely appraisal of programs and services delivered by health and social services organizations with a view to ensuring their quality, safety, effectiveness and efficiency. Topics include: program evaluation, continuous quality improvement, organizational performance, utilization management, risk management, accreditation and human resources.
Notes:
Prerequisite: CHLC 351
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 401D1
Credit Weight: 1.5
Transcript Title: Eval of Health & Soc Services
Calendar Title: Evaluation of Health and Social Services.
Description:
Understanding the responsibility of management for the timely appraisal of programs and services delivered by health and social services organizations with a view to ensuring their quality, safety, effectiveness and efficiency. Topics include: program evaluation, continuous quality improvement, organizational performance, utilization management, risk management, accreditation and human resources.
Notes:
Prerequisite: CHLC 351
Students must register for both CHLC 401D1 and CHLC 401D2
No credit will be given for this course unless both CHLC 401D1 and CHLC 401D2 are successfully completed in consecutive terms
CHLC 401D1 and CHLC 401D2 together are equivalent to CHLC 401
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 401D2
Credit Weight: 1.5
Transcript Title: Eval of Health & Soc Services
Calendar Title: Evaluation of Health and Social Services.
Description:
See CHLC 401D2 for description.

Notes:
Prerequisite: CHLC 401D1
No credit will be given for this course unless both CHLC 401D1 and CHLC 401D2 are successfully completed in consecutive terms
CHLC 401D1 and CHLC 401D2 together are equivalent to CHLC 401

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 401J1
Credit Weight: 1
Transcript Title: Eval of Health & Soc Services
Calendar Title: Evaluation of Health and Social Services.
Description:
Understanding the responsibility of management for the timely appraisal of programs and services delivered by health and social services organizations with a view to ensuring their quality, safety, effectiveness and efficiency. Topics include: program evaluation, continuous quality improvement, organizational performance, utilization management, risk management, accreditation and human resources.

Notes:
Prerequisite: CHLC 351
Students must also register for CHCL 401J2 and CHCL 401J3
No credit will be given for this course unless CHCL 401J1, CHCL 401J2 and CHLC 401J3 are all successfully completed in consecutive terms
CHCL 401J1, CHCL 401J2 and CHCL 401J3 together are equivalent to CHCL 401

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 401J2
Credit Weight: 1
Transcript Title: Eval of Health & Soc Services
Calendar Title: Evaluation of Health and Social Services.
Description:
See CHLC 401J1 for description.

Notes:
Prerequisite: CHLC 401J1
Students must also register for CHLC 401J3
No credit will be given for this course unless CHLC 401J1, CHLC 401J2 and CHLC 401J3 are all successfully completed in consecutive terms
CHLC 401J1, CHLC 401J2 and CHLC 401J3 together are equivalent to CHLC 401

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 401J3
Credit Weight: 1
Transcript Title: Eval of Health & Soc Services
Calendar Title: Evaluation of Health and Social Services.
Description:
See CHLC 401J1 for description.

Notes:
Prerequisite: CHLC 401J2
No credit will be given for this course unless CHLC 401J1, CHLC 401J2 and CHLC 401J3 are all successfully completed in consecutive terms.

CHLC 401J1, CHLC 401J2 and CHLC 401J3 together are equivalent to CHLC 401.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CHLC 410**

**Credit Weight:** 3

**Transcript Title:** Fund of Hlth&Soc Serv InfoSys

**Calendar Title:** Fundamentals of Health and Social Services Info Systems.

**Description:**

Fundamental approaches of information systems and data management. Topics covered include: integration of technology in the health care system; use of information technology and management systems to improve access, quality, safety and efficiency.

**Notes:**

Corequisite: CHLC 351.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CHLC 415**

**Credit Weight:** 3

**Transcript Title:** Found of Legal & Ethical Aspects

**Calendar Title:** Foundations of Legal and Ethical Aspects.

**Description:**

The legal and ethical issues relevant to the health care system in Quebec. Topics include: major legislation relevant to the health care system; the relationship between civil and criminal law; law and medicine; law and ethics; human rights, professional responsibility and liability.

**Notes:**

Corequisite: CHLC 351.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CHLC 500**

**Credit Weight:** 3

**Transcript Title:** Health & Social Serv. Systems

**Calendar Title:** Health and Social Service Systems.

**Description:**

An overview of the present Québec and Canadian health and social service system: its components, organization, management and challenges/uncertainties; its recent evolution, present organization and foreseeable direction. Interaction and interface between the health system and other social systems; roles and various levels of government and private sector.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CHLC 502**

**Credit Weight:** 3

**Transcript Title:** Health & Social Serv Info Syst

**Calendar Title:** Health and Social Services Information Systems.

**Description:**
Information systems and data management fundamentals; understanding of integration of technology in the health care setting; effective use of information technology and management systems to improve the quality, safety, access, and cost-effectiveness of health care.

Notes:
Corequisite: CHLC 500.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 552
Credit Weight: 3

Transcript Title: Leg & Eth Asp: Hlth & Soc Serv
Calendar Title: Legal and Ethical Aspects: Health and Social Services.

Description:
Health care system in Quebec, the federal and provincial law relevant to it. Explores relationships between civil and criminal law, law and medicine, law and ethics. Major legislation, case law and legal writings will be presented. Addresses human rights, professional responsibility, civil, criminal liability and dilemmas raised by new technologies.

Notes:
Corequisite: CHLC 500

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 580
Credit Weight: 3

Transcript Title: Health Serv Mgmt Field Project
Calendar Title: Health Services Management Field Project.

Description:
Students will work on team projects and apply the knowledge and skills gained through the program to solve a real workplace problem. The project could be in a service (health care, education, banking/insurance, etc.), logistics or manufacturing organization.

Notes:
Prerequisites: CACC 520, CMS2 533, CPL2 532 and (CGM2 510 or CHLC 590 or CORG 556 or CPL2 510 or CORG 553)

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 590
Credit Weight: 3

Transcript Title: Topics in Health Care
Calendar Title: Topics in Health Care.

Description:
Specialized course covering an advanced topic in the health care area selected from current issues or themes in literature.

Notes:
Prerequisite: CHLC 500
Note: Content will vary from year to year.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CHLC 590J1
Credit Weight: 1
Transcript Title: Topics in Health Care
Calendar Title: Topics in Health Care.
Description:
Specialized course covering an advanced topic in the health care area selected from current issues or themes in literature.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 590J2
Credit Weight: 1
Transcript Title: Topics in Health Care
Calendar Title: Topics in Health Care.
Description:
See CHLC 590J1 for course description.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 590J3
Credit Weight: 1
Transcript Title: Topics in Health Care
Calendar Title: Topics in Health Care.
Description:
See CHLC 590J1 for course description.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 590N1
Credit Weight: 1.5
Transcript Title: Topics in Health Care
Calendar Title: Topics in Health Care.
Description:
Specialized course covering an advanced topic in the health care area selected from current issues or themes in literature.
Notes:
Prerequisite: CHLC 500
Students must also register for CHLC 590N1
No credit will be given for this course unless both CHLC 590N1 and CHLC 590N2 are successfully completed in a twelve month period.
CHLC 590N1 and CHLC 590N2 together are equivalent to CHLC 590
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHLC 590N2
Credit Weight: 1.5
Transcript Title: Topics in Health Care
Calendar Title: Topics in Health Care.
Description:
See CHLC 590N1 for description.
Notes:
Prerequisite: CHLC 590N1
No credit will be given for this course unless both CHLC 590N1 and CHLC 590N2 are
successfully completed in a twelve month period.
CHLC 590N1 and CHLC 590N2 together are equivalent to CHLC 590
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CHSS 201
Credit Weight: 3
Transcript Title: Introduction to IOs
Calendar Title: Introduction to International Organizations.
Description:
The role of international organizations (IOs) in world politics; short history of their emergence and evolution; the role of IOs in relation to the three "pillars" of the United Nations (security, development, and human rights); international economic institutions; simulation of the United Nations Security Council.
Introduction to IOs
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CHSS 202
Credit Weight: 3
Transcript Title: Regulatory Mechanisms of IOs
Calendar Title: Regulatory Mechanisms of International Organizations.
Description:
Regulatory mechanisms of international organizations (IOs) and their impact on global governance; challenges of global policy-making; regulatory mechanisms for overcoming these challenges; growing role of non-state actors (civil society groups and business leaders) in global policy-making; analysis of governance of the use of force; other international governance issues; climate change negotiation simulation.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active
CIAM 510
Credit Weight: 3
Transcript Title: Overview of the Aviation Field
Calendar Title: Overview of the Aviation Field.
Description:
This course examines the field of aviation, its past, present and future as related to the following: airlines, airports, regulatory bodies, service providers, air navigation, as well as the evolution of air traffic.

Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 520
Credit Weight: 3
Transcript Title: Air Transport. Finance & Econ.
Calendar Title: Air Transportation Finance and Economics.
Description:
This course examines the strategic financial issues facing the aviation industry, the government's role—national, regional and international—and the economic effects on environment, safety and security.

Notes:
Prerequisite: CIAM 510
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 521
Credit Weight: 3
Transcript Title: Aviation Safety & Securt. Mgmt
Calendar Title: Aviation Safety and Security Management.
Description:
Course examines the evolution and principles of managing safety and security in aviation by different aviation service providers, such as aviation training organizations, airlines, maintenance organizations, manufacturers, air navigation service providers and airports.

Notes:
Prerequisite: CIAM 510
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 522
Credit Weight: 3
Transcript Title: Aviation Law and Policy
Calendar Title: Aviation Law and Policy.
Description:
The course covers the fundamental legal principles and processes, international relations and diplomacy and institutional structures important to the aviation industry. It also examines the legal and policy aspects of liberalization, globalization and commercialization, safety and security, and environmental constraints.

Notes:
Prerequisite: CIAM 510
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active
CIAM 523
Credit Weight: 3
Transcript Title: Air Navigation Services Mgmt
Calendar Title: Air Navigation Services Management.
Description:
Review of the various aspects of air navigation service management. Topics include: air navigation legislation, its applicability and impact on managerial decisions; roles, responsibilities and business models of Air Navigation Service Providers, financial planning challenges, global air navigation planning and the managerial impact of new technologies.
Notes:
Prerequisite: CIAM 510
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 524
Credit Weight: 3
Transcript Title: Airline Management
Calendar Title: Airline Management.
Description:
This course will review the functions and decision-making process involved in planning and executing airline operations. Topics include: selection of routes and flight networks, fleet diversity, aircraft maintenance locations, gate assignments, air and ground crew scheduling, airline partnerships and the effects of deregulation.
Notes:
Prerequisite: CIAM 510
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 525
Credit Weight: 3
Transcript Title: Airport Management
Calendar Title: Airport Management.
Description:
This course will provide an introduction to the airport system and the main issues concerning airport operations and development. Topics include: structure and complexity of the airport organization, airside operations, terminal operations, airport security and facilitation, commercial aspects of airports, airport design, maintenance and airport communications, and future trends.
Notes:
Prerequisite: CIAM 510
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the fourth lecture day and withdrawal is the seventh lecture day.
This course will be held on June 17, 18, 20, 23, 26, 27, 30, July 2, 4 and 8.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active
CIAM 526
Credit Weight: 3
Transcript Title: Air Cargo Management
Calendar Title: Air Cargo Management.
Description: Course explores the operations, business and regulations related to cargo management. Some of the topics include: packaging and transportation options appropriate for each industry's type or category of product, third party logistics providers, warehousing, costs, and implications on safety and security.
Notes: Prerequisite: CIAM 510
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 540
Credit Weight: 3
Transcript Title: Integrated Aviation Mgmt Proj.
Calendar Title: Integrated Aviation Management Project.
Description: This capstone course provides participants with the opportunity to integrate, utilize and apply the knowledge acquired throughout the program to a real project.
Notes: Prerequisites: CIAM 510, CIAM 520, CIAM 521, CIAM 522, CIAM 523, CIAM 524, CIAM 525, CIAM 526 AND CPL2 532
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 550
Credit Weight: 3
Transcript Title: Comm&Ntwrk Skill fr Aviat Prof
Calendar Title: Commun and Networking Skills for Aviation Professionals.
Description: This course focuses on the tools and techniques required by aviation professionals to analyze, interpret and effectively communicate with internal and external stakeholders in various contexts. It also provides participants with the opportunity to develop and hone their presentation skills. Topics include: persuasion and influence, collaboration, situation appraisal, business networking, oral and written communication, risk and crisis communication, digital communication, and cross-cultural communication.
Notes: Restriction(s): Open to students in the Graduate Certificate in Aviation Leadership only.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CIAM 552
Credit Weight: 3
Transcript Title: Anly&Bus Intel for Aviat Prof
Calendar Title: Analytics and Bus. Intelligence for Aviation Professionals.
Description:
This course focuses on the practical application of concepts, knowledge, and computational techniques of data analytics to identify and solve business problems and improve organizational decision making in the aviation industry. Students will analyze and interpret data, and apply insights obtained from inside and outside aviation-related organizations to optimize strategic decision-making and improve operations, productivity and business results.

Notes:
Restriction(s): Open to students in the Graduate Certificate in Aviation Leadership only.
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active
CINC 200

Credit Weight: 3

Transcript Title: Intercultural Civic Engagement/Service-Learning.

Calendar Title: Intercultural Civic Engagement/Service-Learning.

Description:
Analyzing the social, political and cross-cultural impact of civic engagement through service learning as it applies to the Montreal volunteer sector.

Notes:
Prerequisite(s): CEEN 331, CEEN 332; or a high intermediate level of English on the unit's Entrance Placement Test (EPT); or permission of the Director.

Administering Faculty: School of Continuing Studies

Teaching Department: Adaptive & Integrated Learning

Status (catalog level): Active
CIVE 202
Credit Weight: 4
Transcript Title: Construction Materials
Calendar Title: Construction Materials.
Description:
Classification of materials; atomic bonds; phase diagrams; elementary crystallography; imperfections; engineering properties, uses and durability of metals, concrete, wood, polymers, composites and asphalt; sustainable development; group laboratory projects.
Notes:
(4-2-6)
Prerequisite: CIVE 290
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 203
Credit Weight: 1
Transcript Title: Solid Mechanics Laboratory
Calendar Title: Solid Mechanics Laboratory.
Description:
Laboratory in solid mechanics.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 205
Credit Weight: 3
Transcript Title: Statics
Calendar Title: Statics.
Description:
Systems of forces and couples, resultants, equilibrium. Trusses, frames and beams, reactions, shear forces, bending moments. Centroids, centres of gravity, distributed forces, moments of inertia. Friction, limiting equilibrium, screws, belts.
Notes:
(3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 206
Credit Weight: 3
Transcript Title: Dynamics
Calendar Title: Dynamics.
Description:
Kinematics and kinetics of particles, systems, and rigid bodies; mass-acceleration, work-energy, impulse-momentum. Moving coordinate systems. Lagrange's equations. Vibrations and waves.
Notes:
(3-2-4)
Prerequisite: CIVE 205.
Corequisites: MATH 262, MATH 263
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active
CIVE 207
Credit Weight: 4
Transcript Title: Solid Mechanics
Calendar Title: Solid Mechanics.
Description:
Stress-strain relationships; elastic and inelastic behaviour; performance
criteria. Elementary and compound stress states, Mohr's circle. Shear strains,
torsion. Bending and shear stresses in flexural members. Deflections of beams.
Statically indeterminate systems under flexural and axial loads. Deflections of beams.
Dynamic loading.
Notes:
(4-2-6)
Prerequisites: CIVE 205 (a D grade is acceptable for prerequisite purposes) or
MECH 210 (under special circumstances, the Department may permit this course to
be taken as a corequisite) or equivalent
Four laboratory sessions and weekly tutorials
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 208
Credit Weight: 3
Transcript Title: Civil Engineering Sys Analysis
Calendar Title: Civil Engineering System Analysis.
Description:
Introduction to civil engineering systems; system modelling process; systems
approach and optimization techniques; application of linear programming; simplex
method; duality theory; sensitivity analysis; transportation problem; assignment
problem; network analysis including critical path method; integer linear
programming method.
Notes:
(3-2-4)
Prerequisite: COMP 208.
Corequisite: MATH 264.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 210
Credit Weight: 2
Transcript Title: Surveying
Calendar Title: Surveying.
Description:
The construction and use of modern survey instruments; transit, level, etc.;
linear and angular measurements and errors; horizontal and vertical curves; error
analysis, significance of figures; use of computers and software; recent
developments.
Notes:
Prerequisite: MECH 289 (formerly MECH 290)
**Due to the intensive nature of this course, the standard add/drop, and
withdrawal deadlines do not apply. Add/drop is the third lecture day and
withdrawal is the sixth lecture day.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active
CIVE 225
Credit Weight: 4
Transcript Title: Environmental Engineering
Calendar Title: Environmental Engineering.
Description:
Introduction to environmental chemistry; mass balance analyses in engineered and natural systems; water, soil and air pollution characterization and control; water quality parameters; drinking water and wastewater treatment technologies; global climate change: possible causes and effects; risk assessment for pollutant exposure; solid- and hazardous-waste management.
Notes:
(4-2-6)
Prerequisite: CIVE 290.
Corequisite: MATH 263.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 281
Credit Weight: 3
Transcript Title: Analytical Mechanics
Calendar Title: Analytical Mechanics.
Description:
Notes:
(3-1-5)
Corequisites: MATH 262, MATH 263.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 284
Credit Weight: 4
Transcript Title: Structural Engineering Basics
Calendar Title: Structural Engineering Basics.
Description:
Basic principles of statics; force systems; trusses; centroids and second moment of areas; stress and strain; beams; shearing and bending stresses; deflections; combined stresses; columns.
Notes:
(3-3-6)
Restriction: Not open to students who have taken CIVE 205 and CIVE 283.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 290
Credit Weight: 3
Transcript Title: Thermodynamics & Heat Transfer
Calendar Title: Thermodynamics and Heat Transfer.
Description:
Macroscopic vs. microscopic viewpoint; states and processes; energy conservation and transformation; phase equilibrium; equations of state; thermodynamic properties; work and heat interactions; First Law of thermodynamics and applications; internal energy; enthalpy; specific heat; Second Law of thermodynamics; entropy; humidity and air-conditioning processes; introduction to heat transfer and renewable energy.

Notes:

(3-2-4)

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 302
Credit Weight: 3
Transcript Title: Probabilistic Systems
Calendar Title: Probabilistic Systems.
Description:
An introduction to probability and statistics with applications to Civil Engineering design. Descriptive statistics, common probability models, statistical estimation, regression and correlation, acceptance sampling.

Notes:

(3-2-4)
Prerequisites: MATH 262, COMP 208 (a D grade is acceptable for prerequisite purposes)

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 311
Credit Weight: 4
Transcript Title: Geotechnical Mechanics
Calendar Title: Geotechnical Mechanics.
Description:

Notes:

(4-2-6)
Prerequisite: CIVE 207

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 317
Credit Weight: 3
Transcript Title: Structural Engineering 1
Calendar Title: Structural Engineering 1.
Description:
The design process; loads, sources, classifications, load factors, combinations; limit states design; structural systems and foundations; choice of materials;
virtual work and energy methods; statical and kinematic indeterminacy; slope deflection method, introduction to matrix methods; analysis of indeterminate systems; force envelopes.

Notes:
(3-2-4)
Prerequisites: CIVE 202, CIVE 207 and MECH 289 (formerly MECH 290).

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 318
Credit Weight: 3
Transcript Title: Structural Engineering 2
Calendar Title: Structural Engineering 2.
Description:
Durability and service life; fire resistance and protection; steel, reinforced concrete and timber; behaviour and design of components in tension, compression, bending and shear; slenderness, global and local instability; axial load and moment interaction; curvature, deflection, ductility; connections; bond and anchorage of reinforcement; simple footings.
Notes:
(3-2-4)
Prerequisite: CIVE 317

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 319
Credit Weight: 3
Transcript Title: Transportation Engineering
Calendar Title: Transportation Engineering.
Description:
Introduction to design and operating principles and procedures for surface transportation systems, including vehicle motion and performance, pavements, geometric design of roadbeds, vehicle flow and capacity, traffic control, demand, supply and cost concepts.
Notes:
(3-1-5)
Prerequisites: CIVE 208 and COMP 208.
Corequisite: CIVE 302

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 320
Credit Weight: 4
Transcript Title: Numerical Methods
Calendar Title: Numerical Methods.
Description:
Numerical procedures applicable to civil engineering problems: integration, differentiation, solution of initial-value problems, solving linear and non-linear systems of equations, boundary-value problems for ordinary-differential equations, and for partial-differential equations.
Notes:
(4-2-6)
Prerequisites: COMP 208, MATH 264.

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 323
Credit Weight: 3
Transcript Title: Hydrology and Water Resources
Calendar Title: Hydrology and Water Resources.
Notes: (3-2-4)
Prerequisite: CIVE 302
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 324
Credit Weight: 3
Transcript Title: Sustainable Project Management
Calendar Title: Sustainable Project Management.
Description: Lifecycle approach to project and construction management. Sustainable practices are introduced at all project stages: Team formation, materials and equipment use, cost estimation and economic valuation, financing, scheduling, quality control and safety, monitoring and performance assessment, decision-making.
Notes: (3-1-5)
Prerequisites: CIVE 208 and FACC 300.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 326
Credit Weight: 1
Transcript Title: Fluids & Hydraulics Laboratory
Calendar Title: Fluids and Hydraulics Laboratory.
Description: Laboratory experiments in fluid mechanics and hydraulics.
Notes: (0-1-2)
Restriction: Not open to students who have taken CIVE 327
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 327
Credit Weight: 4
Transcript Title: Fluid Mechanics & Hydraulics
Calendar Title: Fluid Mechanics and Hydraulics.
Description: Fluid properties; hydrostatics; dimensional analysis and similitude, fluxes of mass, momentum and energy; Bemouilli's equation; method of control volume;
streamline curvature; potential flow and boundary layers; pipe flow, hydraulic machinery and introduction to open-channel flow.

Notes:
(4-2-6)
Prerequisites: CIVE 206, MATH 264.

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 385
Credit Weight: 3
Transcript Title: Structural Steel & Timber Design
Calendar Title: Structural Steel and Timber Design.
Description:
Structural loadings, load factors, code requirements and design procedures. Characteristics of structural steel and structural timber in building construction. Structural design of axially loaded tension and compression members, joists, beams, girders, trusses and framing systems.
Notes:
(3-1-5)
Prerequisite: CIVE 284.
Corequisite: ARCH 240

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 388
Credit Weight: 3
Transcript Title: Foundations & Concrete Design
Calendar Title: Foundation and Concrete Design.
Description:
Physical properties of concrete; behaviour and design of reinforced concrete members in compression, tension, bending, shear and combined loadings; bond and anchorage; soil properties, soil testing, footings; pile foundation; shorting; retaining walls.
Notes:
(3-1-5)
Prerequisite: CIVE 284.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 416
Credit Weight: 3
Transcript Title: Geotechnical Engineering
Calendar Title: Geotechnical Engineering.
Description:
Notes:
(3-3-3)
Prerequisite: CIVE 311
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active
CIVE 418
Credit Weight: 4
Transcript Title: Design Project
Calendar Title: Design Project.
Description:
A team-based capstone design project carried out under the supervision of an experienced engineer. Involves a design project in one or more of the subdisciplines; environmental engineering, water resources engineering, transportation engineering, geotechnical engineering or structural engineering. Includes the definition of the problem, contains an iterative solution-finding process, and results in a final design. Addresses professionalism, as well as, economic, environmental, societal, safety and regulatory aspects of design. Contains the writing of a technical report and oral presentations. Emphasis is placed on the completion of a project of professional quality replicating the design process commonly implemented by practicing engineers.
Notes:
(1-2-6)
Prerequisite: Completion of an approved set of required and complementary courses; normally restricted to final semester.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 421
Credit Weight: 3
Transcript Title: Municipal Systems
Calendar Title: Municipal Systems.
Description:
Design of water-related municipal services; sources of water and intake design; estimation of water demand and wastewater production rates; design, construction and maintenance of water distribution, wastewater and stormwater collection systems; pumps and pumping stations; pipe materials, network analysis and optimization; storage; treatment objectives for water and wastewater.
Notes:
(3-3-3)
Prerequisite: CIVE 327
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 428
Credit Weight: 3
Transcript Title: Water Resources & Hydraulic Eng.
Calendar Title: Water Resources and Hydraulic Engineering.
Description:
Application of continuity, energy and momentum equations to open channel flow; design of channels considering uniform flow and flow resistance, non-uniform flow and longitudinal profiles; design of channel controls and transitions; unsteady flow and flood routing; river ice engineering; sediment transport and river morphology; sustainability in river engineering; industry standard numerical models.
Notes:
(3-3-3)
Prerequisite: CIVE 327
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 430
Credit Weight: 3
Transcript Title: Water Treatment & Pollut Control
Calendar Title: Water Treatment and Pollution Control.
Description: Principles of water and sewage treatment. Water and sewage characteristics; design of conventional unit operations and processes; laboratory analyses of potable and waste waters.
Notes: (3-3-3)
Prerequisites: CIVE 225 and CIVE 327
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 432
Credit Weight: 1
Transcript Title: Technical Paper
Calendar Title: Technical Paper.
Description: A technical paper, on a suitable topic, is to be prepared in accordance with detailed instructions which are provided by the Department. This paper will normally be written in the U3 year and may be submitted in September or January.
Notes: (0-0-3)
Prerequisite: CCOM 206 or WCOM 206
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 440
Credit Weight: 3
Transcript Title: Traffic Engineering & Simulation
Calendar Title: Traffic Engineering and Simulation.
Description: Driver, vehicle and traffic flow characteristics; origin-destination studies, traffic studies and analysis, queuing theory applications, microsimulation, highway design and capacity analysis, non-motorized facility design, HOV lane design, public transportation priority design, parking analysis, traffic signal design and control, traffic microsimulation with HCS, VISSIM and SYNCHRO.
Notes: (3-3-3)
Prerequisite: CIVE 319 (a D grade is acceptable for prerequisite purposes)
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 446
Credit Weight: 3
Transcript Title: Construction Engineering
Calendar Title: Construction Engineering.
Description: Project management principles; construction equipment economics, selection,
operation; characteristics of building, heavy, marine, underground and route construction projects; international projects.

Notes:
(3-1-5)
Prerequisites: CIVE 208 and FACC 300

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 452
Credit Weight: 3

Transcript Title: Water Resources in Barbados
Calendar Title: Water Resources in Barbados.

Description:
Challenges faced and available engineering solutions for water-stressed communities. Overview of Barbados’s water resources, fundamentals of hydrology, contaminant transport and groundwater remediation in a karst geologic environment. Technologies associated with water reuse, legislation, health effects, epidemiology. Laboratory tests for water quality; field study tours.

Notes:
Restrictions: Must be enrolled in the Barbados Field Study Semester.

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 460
Credit Weight: 3

Transcript Title: Matrix Structural Analysis
Calendar Title: Matrix Structural Analysis.

Description:
Computer structural analysis, direct stiffness applied to two and three dimensional frames and trusses, matrix force method, nonlinear problems, buckling of trusses and frames, introduction to finite element analysis.

Notes:
(3-2-4)
Prerequisites: CIVE 206 and CIVE 317

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 462
Credit Weight: 3

Transcript Title: Design of Steel Structures
Calendar Title: Design of Steel Structures.

Description:
Design of structural steel members: plate girders, members under combined loadings, eccentrically loaded connections, composite floor systems. Design of single-storey concentrically braced frame buildings subjected to gravity, wind and seismic loading. Introduction to design software.

Notes:
(3-3-3)
Prerequisite: CIVE 318

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 463
Credit Weight: 3  
Transcript Title: Design of Concrete Structures  
Calendar Title: Design of Concrete Structures.  
Description: 
Design of reinforced concrete members: beams, one-way slabs, columns, disturbed regions, two-way slabs, shear walls, footings, retaining walls. Aspects of seismic design of columns and shear walls. Introduction to design software and the design of prestressed concrete members.  
Notes:  
(3-3-3)  
Prerequisite: CIVE 318  
Administering Faculty: Faculty of Engineering  
Teaching Department: Civil Engineering  
Status (catalog level): Active  

CIVE 470  
Credit Weight: 3  
Transcript Title: Undergraduate Research Project  
Calendar Title: Undergraduate Research Project.  
Description: 
Independent research project under the supervision of an academic staff member. Selection of a research problem, formulation of hypotheses and objectives, research design, literature review, analysis, discussion, report.  
Notes:  
(0-1-8)  
Prerequisite: Permission of the Department.  
Open to U2 students and above, CGPA ≥ 3.0  
The research project needs to be established with the supervisor before registration.  
Administering Faculty: Faculty of Engineering  
Teaching Department: Civil Engineering  
Status (catalog level): Active  

CIVE 512  
Credit Weight: 3  
Transcript Title: Advanced Civil Engrg Materials  
Calendar Title: Advanced Civil Engineering Materials.  
Description: 
Production, structure and properties of engineering materials; ferrous alloys, treatments, welding, special steels, cast iron; ceramic materials; polymers; composite materials; concrete, admixtures, structure, creep, shrinkage; asphalt and asphalitic materials; clay materials and bricks; impact of environment on material response, durability, quality assessment and control, industrial specifications; recent advances.  
Notes:  
(3-2-4)  
Prerequisite: CIVE 202  
Administering Faculty: Faculty of Engineering  
Teaching Department: Civil Engineering  
Status (catalog level): Active  

CIVE 519  
Credit Weight: 6  
Transcript Title: Sustainable Development Plans  
Calendar Title: Sustainable Development Plans.  
Description:  

Geared for solving real-world environmental problems related to water at the local, regional and international scale in Barbados. Projects to be designed by instructors in consultation with university, government and NGO partners and to be conducted by teams of two to four students in collaboration with them.

Notes:
(1-9-8)
Restriction: Must be enrolled in the Barbados Field Study Semester.

Administration Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 520
Credit Weight: 3
Transcript Title: Groundwater Hydrology
Calendar Title: Groundwater Hydrology.
Description:

Notes:
Prerequisites: CIVE 311 and CIVE 323; Graduate students: Permission of instructor.
Restriction(s): Not open to students who have taken CIVE 546 in Winter 2012.
Note 1: (3-0-6).
Administration Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 521
Credit Weight: 3
Transcript Title: Nanomat & the Aquatic Environ
Calendar Title: Nanomaterials and the Aquatic Environment.
Description:
Environmental impacts and applications of nanomaterials. Topics: physicochemical characterization of nanoparticles in aquatic media, colloid chemistry for understanding nanoparticle aggregation and mobility in the environment, mechanisms of reactive oxygen species (ROS) production by nanomaterials, nanomaterials for environmental remediation and water treatment, methodologies for assessing nanoparticle toxicity, novel research developments.

Notes:
3-0-6
Offered each year, one year by the Department of Chemical Engineering and one year by the Department of Civil Engineering
Prerequisite(s): CHEE 315 or CIVE 225 or MIME 356 or equivalent; CHEE 310 or CIVE 430 or CHEM 233 or equivalent; or permission of instructor.
Restriction: Not open to students who have taken CHEE 521.
Administration Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 527
Credit Weight: 3
Transcript Title: Renov&Preserv:Infrastructure
Calendar Title: Renovation and Preservation: Infrastructure.
Description:
Maintenance, rehabilitation, renovation and preservation of infrastructure; infrastructure degradation mechanisms; mechanical, chemical and biological degradation; corrosion of steel; condition surveys and evaluation of buildings and bridges; repair and preservation of materials, techniques and strategies; codes and guidelines; case studies, sustainable development; group project.

Notes:
(3-2-4)
Prerequisite (Undergraduate): CIVE 202 and CIVE 318

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 528
Credit Weight: 3
Transcript Title: Design of Wood Structures
Calendar Title: Design of Wood Structures.
Description: Review of wood material properties and grades. Design of sawn lumber and timber tension, bending, compression and beam-column members. Design of engineered wood products, glued-laminated and cross-laminated timber members. Design of connections. Moisture and humidity effects, deterioration and protection, fire performance, prescriptive design versus engineering design.

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 540
Credit Weight: 3
Transcript Title: Urban Transportation Planning
Calendar Title: Urban Transportation Planning.
Description: Process and techniques of urban transportation engineering and planning, including demand analysis framework, data collection procedures, travel demand modelling and forecasting, and cost-effectiveness framework for evaluation of project and system alternatives.

Notes:
(3-1-5)
Prerequisite: CIVE 319 or permission of instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 542
Credit Weight: 3
Transcript Title: Transport Network Analysis
Calendar Title: Transportation Network Analysis.
Description: Introduction to transportation network algorithms; analytical frameworks used in traditional transportation network software, including routing algorithms, deterministic equilibrium approach, static traffic assignment, dynamic traffic assignment, vehicle routing algorithms, network reliability and design and several stochastic variants.

Notes:
Prerequisite: CIVE 208.
Note: (3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 546
Credit Weight: 3
Transcript Title: Selected Topics in Civil Eng 1
Calendar Title: Selected Topics in Civil Engineering 1.
Description:
Special topics related to Civil Engineering will be presented by staff and visiting lecturers.
Notes:
(3-0-6)
Prerequisite (Undergraduate): Permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 550
Credit Weight: 3
Transcript Title: Water Resources Management
Calendar Title: Water Resources Management.
Description:
State-of-the-art water resources management techniques; case studies of their application to Canadian situations; identification of major issues and problem areas; interprovincial and international river basins; implications of development alternatives; institutional arrangements for planning and development of water resources; and, legal and economic aspects.
Notes:
(3-0-6)
Prerequisite (Undergraduate): CIVE 323 or equivalent
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 555
Credit Weight: 3
Transcript Title: Environmental Data Analysis
Calendar Title: Environmental Data Analysis.
Description:
Notes:
(3-0-6)
Prerequisite (Undergraduate): CIVE 302 or permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 557
Credit Weight: 3
Transcript Title: Microbio for Environmental Eng
Calendar Title: Microbiology for Environmental Engineering.
Description:
Microbiological concepts applied to the practice of environmental engineering and biotechnologies including the following topics: cellular and pathway organizations, evolution, growth, gene expression, horizontal gene transfer, metabolic microbial diversity, ecosystem structures, and quantitative mathematical modelling.

**Notes:**
Prerequisite: CIVE 225 or permission of the instructor
(3–1–5)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Civil Engineering

**Status (catalog level):** Active

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**CIVE 560**

**Credit Weight:** 3

**Transcript Title:** Transportation Safety & Design

**Calendar Title:** Transportation Safety and Design.

**Description:**
Fundamental concepts on transportation safety, traffic data collection techniques, crash database management, statistical methods for safety analysis, network screening methods, evaluation and design of treatments, railway safety analysis, surrogate safety methods, intersection safety and engineering countermeasures, non-motorized safety and facilities designs and accident severity analysis.

**Notes:**
(3–1–5)

Prerequisite: CIVE 319

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Civil Engineering

**Status (catalog level):** Active

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**CIVE 561**

**Credit Weight:** 3

**Transcript Title:** Greenhouse Gas Emissions

**Calendar Title:** Greenhouse Gas Emissions.

**Description:**
Greenhouse gas inventories at various scales from national to institutional. Emission estimation methods including field measurements and engineering calculations for anthropogenic sources including fossil fuel combustion from transportation and energy production, cement production, hydroelectric reservoirs, oil and gas systems, landfills, wastewater treatment and sewer systems, and agriculture. Technical and policy options for reducing greenhouse gas emissions. Group project.

**Notes:**
(3–0–6)

Students are expected to have a background in data mining, statistical analysis, e.g. spatiotemporal analysis, and chemistry. WHMIS and other lab training is recommended.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Civil Engineering

**Status (catalog level):** Active

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**CIVE 572**

**Credit Weight:** 3

**Transcript Title:** Computational Hydraulics

**Calendar Title:** Computational Hydraulics.

**Description:**
Computation of unsteady flows in open channels; abrupt waves, flood waves, tidal
propagations; method of characteristics; mathematical modelling of river and coastal currents.

Notes:
(3-0-6)
Prerequisite: CIVE 327 or equivalent

Administrating Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 573
Credit Weight: 3
Transcript Title: Hydraulic Structures
Calendar Title: Hydraulic Structures.
Description: Hydraulic aspects of the theory and design of hydraulic structures. Storage dams, spillways, outlet works, diversion works, drop structures, stone structures, conveyance and control structures, flow measurement and culverts.
Notes:
(3-0-6)
Prerequisites: CIVE 323 and CIVE 327

Administrating Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 574
Credit Weight: 3
Transcript Title: Fluid Mech of Water Pollution
Calendar Title: Fluid Mechanics of Water Pollution.
Description: Mixing, dilution and dispersion of pollutants discharged into lakes, rivers, estuaries and oceans; salinity intrusion in estuaries and its effects on dispersion; biochemical oxygen demand and dissolved oxygen as water quality indicators; thermal pollution; oil pollution.
Notes:
(3-0-6)
Prerequisite: CIVE 327 or equivalent.

Administrating Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 577
Credit Weight: 3
Transcript Title: River Engineering
Calendar Title: River Engineering.
Description: Fluvial geomorphology; sediment properties; river turbulence; mechanics of the entrainment, transportation and deposition of solids by fluids; threshold of movement; bed forms; suspended load, bed load and total load equations; stable channel design and regime rivers; river modelling; river engineering; and river management.
Notes:
(3-0-6)
Prerequisite (Undergraduate): CIVE 428 or permission of the instructor.
Corequisite (Graduate): CIVE 428

Administrating Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active
CIVE 584
Credit Weight: 3
Transcript Title: Mechanics of Groundwater Flow
Calendar Title: Mechanics of Groundwater Flow.
Description:
Origins and types of groundwater; Darcy's law; hydraulic anisotropy; conservation laws; fundamental equations of porous media flow; Laplace's and Poisson's equations: analytical solution of potential flow problems; determination of hydraulic conductivity; flow in unconfined and confined aquifers; seepage modelling; unsaturated flow; transient flows in porous media; introduction to computational methods.
Notes:
(3-1.5-4.5)
Prerequisite: CIVE 311 or Permission of Instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 602
Credit Weight: 4
Transcript Title: Finite Element Analysis
Calendar Title: Finite Element Analysis.
Description:
Development of displacement based simple and high order, one, two and three dimensional elements for linear elastic stress analysis. Variational and other methods for element formulation. Plate bending and shell elements. Finite element programming. Use of package programs in static analysis of structures.
Notes:
(3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 603
Credit Weight: 4
Transcript Title: Structural Dynamics
Calendar Title: Structural Dynamics.
Description:
Dynamic loads on structures; equations of motion of linear single- and multiple-degree-of-freedom systems and of continuous systems; free and forced vibrations; damping in structures; modal superposition and time-history analysis; earthquake effects; provisions of the National Building Code of Canada for seismic analysis.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 604
Credit Weight: 4
Transcript Title: Theory of Plates and Shells
Calendar Title: Theory of Plates and Shells.
Description:
Analysis of stresses and deformations in plates bent by transverse loads. Circular and rectangular plates. Membrane theory of shells. Axially symmetric bending of cylindrical, conical and spherical shells. Shells of revolution; theory of shallow
shells. Use of package programs in the analysis of plate and shell structures.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Civil Engineering  
**Status (catalog level):** Active

**CIVE 605**  
**Credit Weight:** 4  
**Transcript Title:** Stability of Structures  
**Calendar Title:** Stability of Structures.  
**Description:**  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Civil Engineering  
**Status (catalog level):** Active

**CIVE 607**  
**Credit Weight:** 4  
**Transcript Title:** Advanced Design in Steel  
**Calendar Title:** Advanced Design in Steel.  
**Description:**  
Design and behaviour of cold formed and hot rolled structural steel members and systems. Lateral load resistance design of steel roof diaphragms, flexural design of composite slabs, bracing requirements and design procedures for steel structures, floor vibration, member torsion, slender members and design procedures for low rise steel frame buildings.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Civil Engineering  
**Status (catalog level):** Active

**CIVE 609**  
**Credit Weight:** 4  
**Transcript Title:** Risk Engineering  
**Calendar Title:** Risk Engineering.  
**Description:**  
Quantitative analysis of uncertainty in planning, design, construction, operation and rehabilitation of engineered facilities. Interprets fundamentals of probabilities, random processes, statistics, and decision analysis in the context of engineering applications, in particular description of variability of loads and environmental conditions, material properties performance prediction, system reliability analysis, and risk-based decision analysis.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Civil Engineering  
**Status (catalog level):** Active

**CIVE 610**  
**Credit Weight:** 4  
**Transcript Title:** Sp Topics in Structural Mech  
**Calendar Title:** Special Topics in Structural Mechanics.  
**Description:**  
Special topics in structural mechanics.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Civil Engineering  
**Status (catalog level):** Active
CIVE 612
Credit Weight: 4
Transcript Title: Earthquake-Resistant Design
Calendar Title: Earthquake-Resistant Design.
Description:
Static and dynamic analyses, design codes, effects of local ground conditions, ductility demands on structural components. Inelastic behaviour of beams, columns, joints, shear walls and bracing under cyclic loading of steel concrete and masonry structures. Design applications.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 614
Credit Weight: 4
Transcript Title: Composites for Construction
Calendar Title: Composites for Construction.
Description:
Fibre reinforced plastics (FRP), civil engineering applications; fibre, matrix, processing; plymechanics, strength, rigidity, stability, durability; FRP rebars and tendons for concrete, laminates for strengthening, pultruded beams and columns, FRP stay-in-place formwork for concrete, FRP - glulam beams; design criteria, design project.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 615
Credit Weight: 3
Transcript Title: Environmental Engr. Seminar
Calendar Title: Environmental Engineering Seminar.
Description:
The course will expose the students to various environmental engineering issues. Lectures will be given by faculty and invited speakers from industry. Each student is required to prepare a written technical paper and make oral presentation.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 616
Credit Weight: 4
Transcript Title: Nonlin Struct. Anal for Bldgs
Calendar Title: Nonlinear Structural Analysis for Buildings.
Description:
Methods of geometric and material nonlinear static and dynamic analysis, cumulative damage effects, concentrated and distributed plasticity models, pushover analysis, response modification and performance-based design. The class integrates state-of-the-art simulation models and methods with physical experimentation of structural components and energy dissipation devices for nonlinear analysis and evaluation of buildings.
Notes:
Prerequisite: Permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active
CIVE 617
Credit Weight: 4
Transcript Title: Bridge Engineering
Calendar Title: Bridge Engineering.
Description:
Bridge components, connections, and constraints; girder bridges; arch bridges; cable-stayed and suspension bridges; probabilistic design; design loads; analysis of superstructures; evaluation, repair, and rehabilitation of bridges; coastal bridge vulnerability; seismic design and retrofit of bridges; case studies.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 618
Credit Weight: 4
Transcript Title: Design in Concrete 1
Calendar Title: Design in Concrete 1.
Description:
Concrete physical properties, creep, shrinkage; review of ultimate strength design; combined loadings; design of frames and flat plates; limit design, yield line theory; prestressed concrete, partial prestressing and load balancing. The course will include group projects.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 621
Credit Weight: 4
Transcript Title: Sust Design of Municip Systems
Calendar Title: Sustainable Design of Municipal Systems.
Description:
Design of water-related municipal services. Estimation of water demand and wastewater production rates, conception of sources water intake, construction and maintenance of water distribution and wastewater / stormwater collection systems, selection of pumps and pipe materials, conception of pumping stations, planning of storage, and optimization of network. Emphasis on the theory and applications of life cycle analysis and of public acceptability specific to municipal system design.
Notes:
Prerequisite: SEAD 520
Restriction: Not open to students who are taking or who have taken CIVE 421.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 622
Credit Weight: 4
Transcript Title: Prestressed Concrete
Calendar Title: Prestressed Concrete.
Description:
Material properties; prestressing methods and systems; the behaviour and design of members subjected to axial forces, bending, shear and torsion; prestress losses; design of statically determinate and indeterminate structures; composite precast construction; prestressed concrete floor systems. Application to bridge design.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 623
Credit Weight: 4
Transcript Title: Durability of Const. Materials
Calendar Title: Durability of Construction Materials
Description:
Durability-related deterioration mechanisms relevant to construction materials with an emphasis on promoting sustainability in the construction industry. Portland cement concrete, asphalt cement concrete, masonry, steel, wood, and fibre reinforced composites. Factors affecting durability, service life prediction, diagnosis, remediation, and protective measures. Introduction to relevant standards, specifications, guides, and design codes.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 625
Credit Weight: 4
Transcript Title: Cond Assess of Existing Struct
Calendar Title: Condition Assessment of Existing Structures
Description:
Procedures and testing techniques for the in situ and laboratory evaluation of existing structures and infrastructure materials. Destructive and nondestructive techniques, forensic analysis, and evaluation and deterioration mechanisms are addressed through lectures and case studies.

Notes:
A group laboratory project is also required.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 628
Credit Weight: 4
Transcript Title: Adv. Design of Wood Buildings
Calendar Title: Advanced Design of Wood Buildings
Description:

Notes:
Prerequisite: Permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 629
Credit Weight: 4
Transcript Title: Sust Design: Water & WW Facil
Calendar Title: Sustainable Design: Water and Wastewater Facilities
Description:
Design principles of drinking water and wastewater resource recovery facilities. Characteristics of water and wastewater developed in theory and through laboratory
exercises. Conventional unit operations; derivation and application of process models. Emphasis on the theory and applications of life cycle analysis (LCA) specific to the design of water and wastewater treatment facilities.

Notes:
Prerequisite: SEAD 520
Restriction: Not open to students who have taken or are taking CIVE 430.

Administrating Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 630
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administrating Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 631
Credit Weight: 3
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administrating Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 632
Credit Weight: 3
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administrating Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 633
Credit Weight: 6
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administrating Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 634
Credit Weight: 6
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 635
Credit Weight: 6
Transcript Title: Thesis Research 6
Calendar Title: Thesis Research 6.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 637
Credit Weight: 4
Transcript Title: Discrete Choice Mod in Transp
Calendar Title: Discrete Choice Modeling in Transportation.
Description: Data set assembly, multivariate regression analysis, individual choice theory, random utility frameworks, ordered and unordered response models, model estimation using maximum likelihood approaches, review of state of the art and recent advances in the field.
Notes: Prerequisite: Permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 648
Credit Weight: 4
Transcript Title: Sp Topics in Civil Eng
Calendar Title: Special Topics in Civil Engineering.
Description: Special topics of an advanced nature relating to Civil Engineering will be presented by staff and visiting lecturers.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 650
Credit Weight: 4
Transcript Title: Spatiotemporal Data Mining
Calendar Title: Spatiotemporal Data Mining.
Description: Introduction to spatiotemporal sensing data and general research questions (imputation, forecasting, kriging, classification, regression, anomaly detection). Overview of traditional models and techniques in modeling temporal processes, spatial processes, and spatiotemporal processes. Introduction of state-of-the-art methods for large-scale data sets, including low-rank tensor learning, spectral methods, Gaussian process regression, graph signal processing, and deep neural
networks.

Notes:
Prerequisite: Permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 651
Credit Weight: 4
Transcript Title: Theory: Water/Wastewater Trtmnt
Calendar Title: Theory: Water / Wastewater Treatment.
Description:
Theoretical aspects of the chemistry of water and wastewater treatment. This will include acid-base and solubility equilibria; redox reactions; reaction kinetics; reactor design; surface and colloid chemistry; gas transfer; mass transfer; stabilization and softening; disinfection; corrosion.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 652
Credit Weight: 4
Transcript Title: Bioproces for WW Res Recovery
Calendar Title: Bioprocesses for Wastewater Resource Recovery.
Description:
Technologies and design approaches for reclaiming water, nutrients, carbon and energy, while achieving protection of human and environmental health in the context of enhancing sustainability. Unit processes for both wastewater and solids-handling trains. Advanced mathematical modeling to describe suspended-growth and attached-growth multispecies bioreactors for aerobic, anaerobic and phototrophic processes. Microbial diversity in different reactor conditions, and specific population metabolisms explaining important stoichiometries and kinetics. Advanced molecular microbiology techniques to document microbial diversity and dynamics. Bioreactor designs in the context of stakeholder interactions and energy efficiency.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 660
Credit Weight: 4
Transcript Title: Chem&Phys Treatment of Waters
Calendar Title: Chemical and Physical Treatment of Waters.
Description:
Theory and design of specific processes used for the physical and/or chemical purification of waters and wastewaters, including mixing, flocculation, sedimentation, flotation, filtration, disinfection, adsorption, ion exchange, aeration, membrane processes, distillation, removal of specific inorganics and organics, taste and odor control, process control, sludge treatment. Laboratory exercises will complement theoretical aspects.

Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 661
Credit Weight: 4
Transcript Title: Modelling of Transp Emissions
Calendar Title: Modelling of Transportation Emissions.
Description:
Interactions between transportation modeling and emissions modeling; models for on-road and non-road emissions; impacts of technology, fuel quality, and driving behaviour on the generation of vehicle emissions. Effects of alternative fuels.
Notes: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 662
Credit Weight: 1
Transcript Title: Masters (Th) Research Seminar
Calendar Title: Master's (Thesis) Research Seminar.
Description:
Oral presentation of research topics (M.Eng. Thesis students) and attendance at a minimum of five seminars.
Notes: Restriction: For civil engineering students in the final semester of the thesis masters program.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 663
Credit Weight: 4
Transcript Title: Environ Fate of Org Chemicals
Calendar Title: Environmental Fate of Organic Chemicals.
Description:
Theoretical and applied environmental organic chemistry concerning organic pollutants in aquatic and soil systems. Topics include: vapour pressure; activity coefficient and aqueous solubility; air-liquid phase partitioning; sorption; bioaccumulation and biomagnification; hydrolysis and nucleophilic substitution reactions; redox reactions; legacy pollutants; pollutants of emerging concern; novel research developments.
Notes: Offered in alternate years.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 664
Credit Weight: 3
Transcript Title: MEng (Non-thesis) Res Seminar
Calendar Title: MEng (Non-thesis) Research Seminar.
Description:
The course will expose the students to various civil engineering research issues. Lectures will be given by faculty, invited speakers from industry, and graduate students. Each student is required to prepare a written technical paper and make an oral presentation.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 677
Credit Weight: 4
Transcript Title: Water-Energy Sustainability
Calendar Title: Water-Energy Sustainability.
Description:
Sustainable water resources management: water requirements and frameworks for allocations for agriculture, urbanization, resource extraction, energy production and the environment. Analysis and modelling of the constraints and implications, within and across sectors, of water allocation and energy production choices and their climate change impacts. Critical assessment of contemporary case studies related to the water-energy nexus
Notes:
Prerequisite: Permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 683
Credit Weight: 4
Transcript Title: Adv Foundation Design
Calendar Title: Advanced Foundation Design.
Description:
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 686
Credit Weight: 4
Transcript Title: Site Remediation
Calendar Title: Site Remediation.
Description:
Field investigations; geotechnical and geophysical techniques; hydrogeological conditions; risk assessment; contaminant transport; remedial action plan; containment systems (gas, surface water, and ground water); on-site and off-site treatment techniques (solidification, stabilization, landfilling, and soil washing); In-situ treatment techniques (physical, biological, and chemical).
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 691
Credit Weight: 1
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Administering Faculty: Graduate Studies
Teaching Department: Civil Engineering
Status (catalog level): Active

CIVE 692
Credit Weight: 2  
Transcript Title: Research Project 2  
Calendar Title: Research Project 2.  
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active

CIVE 693  
Credit Weight: 3  
Transcript Title: Research Project 3  
Calendar Title: Research Project 3.  
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active

CIVE 694  
Credit Weight: 4  
Transcript Title: Research Project 4  
Calendar Title: Research Project 4.  
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active

CIVE 695  
Credit Weight: 5  
Transcript Title: Research Project 5  
Calendar Title: Research Project 5.  
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active

CIVE 696  
Credit Weight: 6  
Transcript Title: Research Project 6  
Calendar Title: Research Project 6.  
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active

CIVE 697  
Credit Weight: 7
Transcript Title: Research Project 7  
Calendar Title: Research Project 7.  
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active  

CIVE 701  
Credit Weight: 0  
Transcript Title: PhD Comprehensive Examination  
Calendar Title: Ph.D. Comprehensive Examination.  
Description: Preparation of a written literature review and a qualifying oral examination of the student's background in related areas that must be passed by all doctoral candidates in order to continue in the doctoral program.  
Notes: This exam must be taken within 13 months of the student's initial registration in the program.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active  

CIVE 702  
Credit Weight: 0  
Transcript Title: Ph.D. Research Proposal  
Calendar Title: Ph.D. Research Proposal.  
Description: Ph.D. thesis proposal.  
Notes: Prerequisite: CIVE 701  
This course must be completed within 16 months of initial registration in the program.  
Administering Faculty: Graduate Studies  
Teaching Department: Civil Engineering  
Status (catalog level): Active
CLAS 201  
Credit Weight: 3  
Transcript Title: Greece and Rome  
Calendar Title: Greece and Rome.  
Description:  
Introduction to ancient Greek and Roman civilization, focusing on key themes, problems, and methods of the discipline of classical studies.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 203  
Credit Weight: 3  
Transcript Title: Greek Mythology  
Calendar Title: Greek Mythology.  
Description:  
A survey of the myths and legends of Ancient Greece.  
Notes:  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 210  
Credit Weight: 3  
Transcript Title: Introductory Latin 1  
Calendar Title: Introductory Latin 1.  
Description:  
A course designed for beginners with little or no background in Latin.  
Introduction to basic grammar, vocabulary, morphology. Reading of simple sentences and connected passages.  
Notes:  
Pre-requisite(s): Not open to students who have taken CLAS 210D1/D2 prior to September 2016.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 212  
Credit Weight: 3  
Transcript Title: Introductory Latin 2  
Calendar Title: Introductory Latin 2.  
Description:  
Continued introduction to Latin grammar, vocabulary, and morphology. Reading of more complex sentences and longer connected passages.  
Notes:  
Winter  
Prerequisite(s)  CLAS 210 or equivalent.  
Restriction(s): Not open to students who have taken CLAS 210D1/D2 prior to September 2016.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 215  
Credit Weight: 6  
Transcript Title: Intensive Introductory Latin  
Calendar Title: Intensive Introductory Latin.
Description:
A course designed for beginners with little or no background in Latin. Intensive introduction to grammar, vocabulary, morphology; the reading of sentences and connected passages. Equivalent to CLAS 210 and 212.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 220
Credit Weight: 3
Transcript Title: Introductory Ancient Greek 1
Calendar Title: Introductory Ancient Greek 1.
Description:
A course designed for beginners with little or no background in ancient Greek. Introduction to basic grammar, vocabulary, morphology. Reading of simple sentences and connected passages.
Notes:
Restriction(s): Not open to students who have taken CLAS 220 D1/D2 prior to September 2016.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 222
Credit Weight: 3
Transcript Title: Introductory Ancient Greek 2
Calendar Title: Introductory Ancient Greek 2.
Description:
Continued introduction to ancient Greek grammar, vocabulary, and morphology. Reading of more complex sentences and longer connected passages.
Notes:
Pre-requisite(s): CLAS 220 or equivalent
Restriction(s): Not open to student who have taken CLAS 220D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 225
Credit Weight: 6
Transcript Title: Intensive Intro Ancient Greek
Calendar Title: Intensive Introductory Ancient Greek.
Description:
A course designed for beginners with little or no background in ancient Greek. Intensive introduction to grammar, vocabulary, morphology; the reading of sentences and connected passages. Equivalent to CLAS 220 and 222.
Notes:
Restrictions: Not open to students who have taken CLAS 220 or CLAS 222.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 230D1
Credit Weight: 3
Transcript Title: Introductory Modern Greek
Calendar Title: Introductory Modern Greek.
Description:
A course for beginners.

Notes:
Restriction: Not open to students who have taken CLAS 236, CLAS 237 or CLAS 238.
Students must register for both CLAS 230D1 and CLAS 230D2.
No credit will be given for this course unless both CLAS 230D1 and CLAS 230D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 230D2
Credit Weight: 3
Transcript Title: Introductory Modern Greek
Calendar Title: Introductory Modern Greek.
Description:
See CLAS 230D1 for course description.

Notes:
Prerequisite: CLAS 230D1
No credit will be given for this course unless both CLAS 230D1 and CLAS 230D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 240
Credit Weight: 3
Transcript Title: Intro to Classical Archaeology
Calendar Title: Introduction to Classical Archaeology.
Description:
Introduction to the archaeology of the ancient Greek and Roman Mediterranean
through a survey of major sites, artifacts and monuments. Emphasis on
archaeological theory and methodology.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 301
Credit Weight: 3
Transcript Title: Ancient Greek Lit & Society
Calendar Title: Ancient Greek Literature and Society.
Description:
Survey of ancient Greek literature in translation, covering the key genres and
texts in their social and historical contexts. The material to be discussed
includes Archaic epic, lyric, and elegy; Classical tragedy, comedy, and
historiography; Hellenistic poetry, and literature of the Roman Imperial period.

Notes:
Restriction(s): Not open to students who have taken CLAS 200.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 302
Credit Weight: 3
Transcript Title: Roman Literature and Society
Calendar Title: Roman Literature and Society.
Description:
An exploration of Roman texts written during the Republican and Imperial periods (200 BCE-400 CE) and the study of social contexts in which they were written.

Notes:
Restriction(s): Not open to students who have taken CLAS 208.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 303
Credit Weight: 3
Transcript Title: Ancient Greek Religion
Calendar Title: Ancient Greek Religion.
Description: Focus on the history of Greek religion in the Classical Period. Particular attention will be paid to the Greek concept of divinity, local pantheons, civic festival calendars, the topography of myth and ritual, ideas concerning the afterlife, mystery cults, oracles and games and the literary representations of religion.

Notes:
Restriction(s): Not open to students who have taken CLAS 380.
Prerequisite(s): CLAS 203 or HIST 205 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 304
Credit Weight: 3
Transcript Title: Ancient Greek Democracy
Calendar Title: Ancient Greek Democracy.
Description: Examines the conceptual history of popular government in the context of Greek political culture, from the 6th century BCE to the Roman conquest of Greece.

Notes:
Prerequisite(s): HIST 205 or HIST 231 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 305
Credit Weight: 3
Transcript Title: Roman Religion
Calendar Title: Roman Religion.
Description: Approaches to and problems of Roman religion. The formation of religious topography, problems of religion and empire, the religious interaction between Rome and other Mediterranean peoples, the complex discourse between religion and philosophy, the reformulation of Roman religion during the imperial period, and the rise of Christianity within a pagan Roman world.

Notes:
Restriction(s): Not open to students who have taken CLAS 381.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 306
Credit Weight: 3
Transcript Title: Classics in Modern Media.
Calendar Title: Classics in Modern Media.
Description:
Receptions of the classical paradigm of Ancient Greece and Rome in modern media, the classical tradition, and current scholarship.
Notes:
Restriction(s): Not open to students who have taken CLAS 206.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 308
Credit Weight: 3
Transcript Title: Gender in the Ancient World
Calendar Title: Gender in the Ancient World.
Description:
An exploration of gender roles in the Ancient Mediterranean world.
Notes:
Restriction(s): Not open to students who have taken CLAS 370.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 310
Credit Weight: 3
Transcript Title: Intermediate Latin 1
Calendar Title: Intermediate Latin 1.
Description:
Review of Latin grammar, morphology, syntax, and vocabulary while introducing students to techniques and strategies for reading Latin poetry and prose.
Notes:
Prerequisite: CLAS 210 or CLAS 212 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 312
Credit Weight: 3
Transcript Title: Intermediate Latin 2
Calendar Title: Intermediate Latin 2.
Description:
Continued mastery of the language, with emphasis on translation of Latin texts.
Notes:
Prerequisite: CLAS 310 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 315
Credit Weight: 3
Transcript Title: Intermed. Latin 2: Selections
Calendar Title: Intermediate Latin 2: Selections.
Description:
A study of selected works in Latin. Topic varies by year.
Notes:
Prerequisite: CLAS 310 or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 320
Credit Weight: 3
Transcript Title: Intermediate Ancient Greek 1
Calendar Title: Intermediate Ancient Greek 1.
Description:
Review of grammar, vocabulary, and syntax of Ancient Greek through translation of selected ancient texts.
Notes:
Prerequisite: CLAS 220 or permission of instructor

CLAS 322
Credit Weight: 3
Transcript Title: Intermediate Ancient Greek 2
Calendar Title: Intermediate Ancient Greek 2.
Description:
Continued mastery of the language, with emphasis on translation of ancient Greek texts.
Notes:
Prerequisite: CLAS 320 or permission of the instructor

CLAS 326
Credit Weight: 3
Transcript Title: Interm Anc Greek 2: Selections
Calendar Title: Intermediate Ancient Greek 2: Selections.
Description:
Translation of ancient Greek texts selected from a given topic, theme, genre, or author. Texts and authors change from year to year.
Notes:
Prerequisite(s): CLAS 320 or permission of instructor.

CLAS 331
Credit Weight: 3
Transcript Title: Intermediate Modern Greek 1
Calendar Title: Intermediate Modern Greek 1.
Description:
Oral and written competence in the language at the intermediate level through the study of grammar and vocabulary. Excerpts from literature, film and music introducing the civilization of modern Greece.
Notes:
Prerequisite: CLAS 230 or similar course or permission of the instructor
CLAS 332
Credit Weight: 3
Transcript Title: Intermediate Modern Greek 2
Calendar Title: Intermediate Modern Greek 2.
Description: A thorough review of the language at the intermediate level through the study of grammar, vocabulary and derivatives. Excerpts in prose, poetry and newspapers as well as audiovisual material introducing the civilization of modern Greece. a continuation of CLAS 331.
Notes: Prerequisite(s): CLAS 331 or similar course or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 335
Credit Weight: 3
Transcript Title: Modern Greek Culture & Society
Calendar Title: Modern Greek Culture and Society.
Description: Offers a panorama of Greek culture and society through the study of a corpus of documents in Greek pertaining to the year's thematic topic.
Notes: The language of instruction is English. Knowledge of Greek is not mandatory.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 336
Credit Weight: 3
Transcript Title: Modern Greek Literature
Calendar Title: Modern Greek Literature.
Description: Offers a panorama of Modern Greek literature in translation. It examines a corpus of texts selected according to each year's thematic topic of study.
Notes: Prerequisite: CLAS 220 or CLAS 335 or HIST 349 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 345
Credit Weight: 3
Transcript Title: Study Tour: Greece
Calendar Title: Study Tour: Greece.
Description: A study of Greek history and culture through the sites and monuments of ancient Greece. Includes preparatory meetings, site and museum visits, and specialized lectures on site. A fee is charged of $2400 to cover certain travel expenses within Greece, accommodation including breakfast and entrance fees to all sites visited throughout the tour.
Notes: Prerequisites: Permission of instructor.
Course includes preparatory class meetings at McGill followed by study tour in Greece. Typically offered in alternating summers.
Students are responsible for all expenses associated with travel, accommodation, food, etc.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 348**  
**Credit Weight:** 3  
**Transcript Title:** Topics: Classical Archaeology  
**Calendar Title:** Topics: Classical Archaeology.  
**Description:** Study of a theme, subject, or question, concentrating on selected physical sites, monuments, artifacts, or other case studies in classical archaeology.  
**Notes:** Prerequisite(s): HIST 205 or CLAS 240 or permission of instructor  
This course may occasionally be taught during the summer term at a site or sites in the Mediterranean as a field studies course.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 349**  
**Credit Weight:** 3  
**Transcript Title:** Archaeology Fieldwork: Italy  
**Calendar Title:** Archaeology Fieldwork: Italy.  
**Description:** Field course offering an introduction to archaeological field methods and laboratory work, and discussion of theoretical interpretation of archaeological data in the context of an Italian archaeological site potentially across multiple time periods (prehistoric, pre-Roman, Roman, late antique and medieval). Taught in Italy.  
**Notes:** Prerequisite: Permission of instructor  
Taught in Italy during the summer. Course typically includes visits to cultural, historical or archaeological sites. Students are responsible for their own airfare to Italy.  
There is a fee of $2,925.69 for the McGill Salapia Field School in Italy associated with registration in CLAS 349. The fee includes shared apartment accommodation for groups of four students, meals (breakfast, lunch and dinner M-R and breakfast and lunch M-F), field tools and weekday transportation to and from the dig site. Students are responsible for their own travel arrangements to Puglia and travel insurance costs.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 350**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics in Classics  
**Calendar Title:** Special Topics in Classics.  
**Description:** A study of a topic in ancient Greek or Roman literature and culture. Ancient texts taught in translation; students require no knowledge of ancient Greek or Latin.  
Topics varies by year.  
**Notes:** Restriction(s): Not open to students who have taken CLAS 347.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 400
Credit Weight: 3
Transcript Title: Ancient Drama and Theatre
Calendar Title: Ancient Drama and Theatre.
Description:
A synchronic study of ancient Drama from Greece to Rome with a focus on historical and performance context in addition to literary interpretation.
Notes:
Restriction(s): Not open to students who have taken CLAS 300.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 401
Credit Weight: 3
Transcript Title: Ancient Comedy
Calendar Title: Ancient Comedy.
Description:
A study of ancient Greek and Roman comedy, including authors such as Aristophanes, Menander, Plautus, and Terence. Issues connected to performance, textual interpretation and the social role of comedy will be explored.
Notes:
Restriction(s): Not open to students who have taken CLAS 307.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 402
Credit Weight: 3
Transcript Title: Hellenistic Lit. and Society
Calendar Title: Hellenistic Literature and Society.
Description:
The cultural legacy of Hellenistic Alexandria, with focus on scientific, mathematical, literary, philological, philosophical, and religious developments and innovations.
Notes:
Restriction(s): Not open to students who have taken CLAS 305.
Prerequisite(s): HIST 205 or HIST 231 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 403
Credit Weight: 3
Transcript Title: The Greek and Roman Novel
Calendar Title: The Greek and Roman Novel.
Description:
A study of the ancient novel, including Petronius, The Satyricon, Apuleius, The Golden Ass and Longus, Daphnis and Chloe. Issues connected to the novel's development and generic formations, its social and historical contexts, and influence will be discussed.
Notes:
Restriction(s): Not open to students who have taken CLAS 309.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 404
Credit Weight: 3
Transcript Title: Classical Tradition
Calendar Title: Classical Tradition.
Description:
Examines the evolution of Classical Antiquity's social and cultural status from
the 17th c. to the present day. Particular consideration is given to the processes
of the ongoing professionalization of history and archeology as academic
disciplines, the emergence of new political usages of the past, the transformation
of cultural practices from the Grand Tour to the modern museum and tourism.
Notes:
Prerequisite: CLAS 202 or related courses or permission of instructor

CLAS 405
Credit Weight: 3
Transcript Title: The Epic Tradition
Calendar Title: The Epic Tradition.
Description:
The course covers major epics of the Mediterranean world such as the Epic of
Gilgamesh, Homer's Iliad and Odyssey, Apollonius' Argonautica, Vergil's Aeneid,
Ovid's Metamorphoses, Lucan's Bellum Civile, and Statius' Thebaid. Issues
connected to social and cultural context, performance, literary theory, and
interpretation will be discussed.
Notes:
Restriction(s): Not open to students who have taken CLAS 371.
Texts taught in translation, no knowledge of ancient Greek or Latin required.

CLAS 406
Credit Weight: 3
Transcript Title: Greek and Roman Historiography
Calendar Title: Greek and Roman Historiography.
Description:
Seminar on the works of the Greek and Roman historians (in translation) who
founded a new literary genre for the exploration of past and present events;
interpretation of their approaches towards history and theories for their study.
Notes:
Prerequisite(s): 3 credits in Classics at the 300 level or up or permission of
instructor.
Restriction(s): Not open to students who have taken CLAS 490.

CLAS 407
Credit Weight: 3
Transcript Title: Ancient Lyric and Elegy
Calendar Title: Ancient Lyric and Elegy.
Description:
This course examines the Lyric and Elegiac genres from Greece (700 BCE) to Imperial Rome (100 CE). Authors such as Archilochus, Sappho, Alcaeus, Callimachus, Catullus, Propertius and Ovid will be situated in their social and historical contexts as the class addresses issues of poetics, politics, sexuality, and culture.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 408
Credit Weight: 3
Transcript Title: Greek and Roman Oratory
Calendar Title: Greek and Roman Oratory.
Description:
Greek and Roman Oratory situates the works of authors such as Plato, Demosthenes, Aeschines, Cicero and Tacitus in their social and historical contexts, in addition to examining ancient oratorical theory, education, political science, and culture.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 409
Credit Weight: 3
Transcript Title: Ancient Didactic Poetry
Calendar Title: Ancient Didactic Poetry.
Description:
Ancient Didactic Poetry examines the works of authors such as Hesiod, Empedocles, Aratus, Lucretius, Vergil, Ovid and Manilius. The works are set in their original historical and social contexts while issues related to intellectual history, ancient cosmology, poetry and culture are considered.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 410
Credit Weight: 3
Transcript Title: Advanced Latin: Authors
Calendar Title: Advanced Latin: Authors.
Description:
Translation and discussion of selections from ancient Latin literature written by a single author or several authors closely linked by genre or historical period. Emphasis on developing reading proficiency. Texts change from year to year. Course may be taken more than once.
Notes:
Pre-requisite(s): CLAS 312 or permission of instructor
This is a language course. Reading knowledge of Latin is expected.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 412
Credit Weight: 3
Transcript Title: Advanced Latin: Themes
Calendar Title: Advanced Latin: Themes.
Description:
Examination of a theme or problem in Roman literature, culture or history through the translation and discussion of ancient Latin texts. Emphasis on close reading and analysis of ancient Latin. Texts change from year to year. Course may be taken more than once.
Notes:
Pre-requisite(s): CLAS 312 or permission of instructor
This is a language course. Reading knowledge of Latin is expected.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 419
Credit Weight: 3
Transcript Title: Advanced Latin: Post-Classical
Calendar Title: Advanced Latin: Post-Classical.
Description:
Translation and examination of Latin text(s) from the Late Antique, Medieval or Renaissance period.
Notes:
Prerequisite(s): 6 credits of 300-level Latin or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 420
Credit Weight: 3
Transcript Title: Advanced Ancient Greek: Author
Calendar Title: Advanced Ancient Greek: Authors.
Description:
Translation and discussion of selections from ancient Greek literature written by a single author or several authors closely linked by genre or historical period. Emphasis on developing reading proficiency. Texts change from year to year. Course may be taken more than once.
Notes:
Prerequisite(s): CLAS 322 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 422
Credit Weight: 3
Transcript Title: Advanced Ancient Greek: Themes
Calendar Title: Advanced Ancient Greek: Themes.
Description:
Examination of a theme or problem in ancient Greek literature, culture or history through the translation and discussion of ancient Greek texts. Emphasis on close reading and analysis of ancient Greek. Texts change from year to year. Course may be taken more than once.
Notes:
Prerequisite: CLAS 322 or permission of instructor
This is a language course. Reading knowledge of Ancient Greek is expected.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 429
Credit Weight: 3
Transcript Title: Medieval Greek
Calendar Title: Medieval Greek.
Description:
Readings by Greek authors writing during the Late Imperial through Byzantine periods
Notes:
Prerequisite(s): CLAS 312 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 450
Credit Weight: 3
Transcript Title: Advanced Topics
Calendar Title: Advanced Topics.
Description:
An in-depth look at various topics in classical studies.
Notes:
Prerequisite(s): Any ancient history course or 300-level Classics course or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 461
Credit Weight: 3
Transcript Title: Greco-Roman Religious Lit
Calendar Title: Greco-Roman Religious Literature.
Description:
Examination of works of Greek and Roman literature that either deal extensively with theology and religion as themes or were implicated directly in religious practice. Authors or texts such as Hesiod, the Homeric Hymns, Plato, the Derveni Papyrus, Varro, Cicero, Philo and Augustine will be considered.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 498
Credit Weight: 3
Transcript Title: Independent Research
Calendar Title: Independent Research.
Description:
Under the direction of an instructor, an independent research course that makes use of ancient texts in their original language.
Notes:
Permission must be obtained from the department before registration.
Prerequisite(s): Written permission of instructor. Student must have extensive background in the proposed area of study.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active
CLAS 499
Credit Weight: 3  
Transcript Title: Internship: Classics  
Calendar Title: Internship: Classics.
Description: Internship with an approved host institution or organization.
Notes: Prerequisite(s): Permission of the departmental Internship Adviser. Restriction: Open to U2 and U3 students with a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. Course may only be taken once. A student may not count both CLAS 498 and CLAS 499 towards the Minor, Major or Joint Honours programs in Classics. Both CLAS 498 and 499 may be counted towards the Honours program in Classics only with permission of the program advisor.
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 500
Credit Weight: 3  
Transcript Title: Classics Seminar  
Calendar Title: Classics Seminar.
Description: Seminar on a topic in ancient Greek or Roman literature and society. Topic varies by year.
Notes: Restriction(s): Open to U2 or U3 Honours students and MA students or by permission of instructor.
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 609
Credit Weight: 3  
Transcript Title: Intensive Latin Review  
Calendar Title: Intensive Latin Review.
Description: Intensive review of advanced Latin grammar, morphology, syntax and vocabulary, and strategies and techniques for advanced translation prose and poetry.
Notes: Designed for graduate students based on placement to be completed before enrolling in CLAS 610 or CLAS 612.
Administering Faculty: Graduate Studies  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

CLAS 610
Credit Weight: 3  
Transcript Title: Readings in Latin Literature  
Calendar Title: Readings in Latin Literature.
Description: Translation and analysis of selected texts in Latin. Authors or texts change from year to year. This course may be taken more than once.
Administering Faculty: Graduate Studies  
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 612
Credit Weight: 3
Transcript Title: Topics in Latin Literature
Calendar Title: Topics in Latin Literature.
Description: Examination of a selected topic in Latin literature through the translation and analysis of relevant Latin texts. Topics vary by year. Course may be taken more than once.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 619
Credit Weight: 3
Transcript Title: Intensive Ancient Greek Review
Calendar Title: Intensive Ancient Greek Review.
Description: Intensive review of advanced grammar, morphology, syntax and vocabulary of ancient Greek, and strategies and techniques for advanced translation of prose and poetry.
Notes: Designed for graduate students based on placement to be completed before enrolling in CLAS 620 or CLAS 622.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 620
Credit Weight: 3
Transcript Title: Readings in Ancient Greek Lit
Calendar Title: Readings in Ancient Greek Literature.
Description: Translation and analysis of selected texts in ancient Greek. Authors or texts change from year to year. This course may be taken more than once.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 622
Credit Weight: 3
Transcript Title: Topics in Ancient Greek Lit
Calendar Title: Topics in Ancient Greek Literature.
Description: Examination of a selected topic in ancient Greek literature through the translation and analysis of relevant ancient Greek texts. Topics vary by year. Course may be taken more than once.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 645
Credit Weight: 3
Transcript Title: Field Tour in Greece
Calendar Title: Field Tour in Greece.
Description:
Advanced study of aspects of Greek history and culture through sites, monuments and material remains. Includes site and museum visits, and specialized lectures and discussions. A fee is charged of $2400 to cover certain travel expenses within Greece, accommodation including breakfast and entrance fees to all sites visited throughout the tour.

Notes:
Prerequisite: Permission of instructor.
Preparatory sessions taught at McGill, study tour taught in Greece. Typically taught in alternating summers.
Students are responsible for all expenses associated with travel, accommodation, food, etc.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 649
Credit Weight: 3
Transcript Title: Archeo Fieldwork in Italy
Calendar Title: Archeological Fieldwork in Italy.
Description:
Archaeological fieldwork in Italy; emphasis on archaeological field methods, laboratory work, and theoretical interpretation of archaeological data in an Italian archaeological context. Taught at an archaeological site in Italy.

Notes:
Prerequisite: Permission of instructor
Students are responsible for their own airfare to Italy.
There is a fee of $2850.44 for the McGill Salapia Field School in Italy associated with registration in CLAS 649. The fee includes shared apartment accommodation for groups of four students, meals (breakfast, lunch and dinner M-R and breakfast and lunch M-F), field tools and weekday transportation to and from the dig site. Students are responsible for their own travel arrangements to Puglia and travel insurance costs.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 650
Credit Weight: 3
Transcript Title: Seminar
Calendar Title: Seminar.
Description:
Topics in ancient Greek or Roman literature, culture, and society. Emphasis on the reading and interpretation of texts in ancient Greek and Latin.

Notes:
Restriction(s): Not open to students who have taken CLAS 691.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 678
Credit Weight: 3
Transcript Title: Modern Greek 1
Calendar Title: Modern Greek 1.
Description:
Intensive reading of Modern Greek poetry in the original language.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 679
Credit Weight: 3
Transcript Title: Modern Greek 2
Calendar Title: Modern Greek 2.
Description:
Intensive reading of Modern Greek prose in the original language.
Notes:
Prerequisite: CLAS 678
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 681
Credit Weight: 6
Transcript Title: M.A.Research Project 1
Calendar Title: M.A.Research Project 1.
Description:
Start of the production of a research project under the supervision of a faculty member.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 682
Credit Weight: 6
Transcript Title: M.A.Research Project 2
Calendar Title: M.A.Research Project 2.
Description:
Continued work on production of a research project under the supervision of a faculty member.
Notes:
Corequisite: CLAS 681
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 683
Credit Weight: 6
Transcript Title: M.A.Research Project 3
Calendar Title: M.A.Research Project 3.
Description:
Completion of a research project under the supervision of a faculty member.
Notes:
Corequisite: CLAS 682
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

CLAS 685
Credit Weight: 3
Transcript Title: Methods Seminar
Calendar Title: Methods Seminar.
Description:
Selected topics in the diverse research methods deployed in classical studies, including (but not limited to) different approaches to interpreting ancient evidence, the acquisition of research skills, grant writing, and publication strategies.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 695**  
**Credit Weight:** 6  
**Transcript Title:** M.A. Thesis Proposal  
**Calendar Title:** M.A. Thesis Proposal.  
**Description:** Preparatory work for the writing of an M.A. thesis under the supervision of the thesis advisor(s), leading to a thesis proposal.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 696**  
**Credit Weight:** 6  
**Transcript Title:** M.A. Thesis Research 1  
**Calendar Title:** M.A. Thesis Research 1.  
**Description:** Continued work for the writing of an M.A. thesis under the supervision of the thesis advisor(s), including production of an annotated bibliography.

**Notes:** Corequisite: CLAS 695  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 697**  
**Credit Weight:** 6  
**Transcript Title:** M.A. Thesis Research 2  
**Calendar Title:** M.A. Thesis Research 2.  
**Description:** Continued work under the supervision of the thesis advisor(s).

**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**CLAS 698**  
**Credit Weight:** 6  
**Transcript Title:** M.A. Thesis Submission  
**Calendar Title:** M.A. Thesis Submission.  
**Description:** Continued work under the supervision of the thesis advisor(s), leading to completion and submission.

**Notes:** Corequisite: CLAS 697  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active
CLAS 699
Credit Weight: 3
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description: Individualized guided research on an approved topic.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active
CMIS 422
Credit Weight: 3
Transcript Title: Information System Security
Calendar Title: Information System Security.
Description:
Fundamental concepts relating to the design of secure information systems. Identification and assessment of security risks at the application, network, and physical levels. Use of cryptography and other techniques to provide necessary level of security.
Notes:
Corequisite: CCCS 300
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CMIS 520
Credit Weight: 3
Transcript Title: Accounting Info Support Syst.
Calendar Title: Accounting Information Support Systems.
Description:
Principles of accounting information systems and the influence of technology in the accounting process, allowing for the design, evaluation and implementation of such systems.
Notes:
Prerequisites: MGCR 211, CMIS 541 or MGCR 331
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMIS 530
Credit Weight: 3
Transcript Title: Digital Analytics & Targeting
Calendar Title: Digital Analytics and Targeting.
Description:
Covers fundamental techniques in measuring and analysing the digital marketing experience success and effectiveness as well as using audience data to improve advertising and content using targeting and experiments. How to measure, analyze, and act upon the evolving internet technologies and trends.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CMIS 541
Credit Weight: 3
Transcript Title: Info Systems for Managers
Calendar Title: Information Systems for Managers.
Description:
Introduces the importance of Information Systems (IS) in organizations and issues associated with managing these. Provides a strategic view of IS and Information Technology (IT). Students will be presented with managerial, informational and technological issues related to the management of IT, and with a framework to better manage them. Class discussions, case analysis, presentations.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CMIS 543
Credit Weight: 3
Transcript Title: Digital Customer Experience
Calendar Title: Digital Customer Experience.
Description:
Covers the fundamental techniques for understanding, analyzing and optimizing customer experience on digital platforms. Explores best practices in designing and optimizing conversion actions in an online business. Management of customer data and confidentiality.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CMIS 544
Credit Weight: 3
Transcript Title: Digital Mktg Auto, Plan & Tech
Calendar Title: Digital Marketing Automation, Planning and Technology.
Description:
Covers the fundamental concepts needed to develop a digital marketing plan. Enables students to gain an understanding of market behaviour, translation of corporate goals into digital marketing objectives, basic overview of various strategic approaches to align to objectives, as well as implementation and control.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CMIS 545
Credit Weight: 3
Transcript Title: Cloud Computing Architecture
Calendar Title: Cloud Computing Architecture.
Description:
Covers different cloud infrastructures and architectures in the context of deployed cloud computing systems that are appropriate for different businesses. Enables students to use key business metrics to make decisions on the suitability of applications for cloud deployment.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CMIS 549
Credit Weight: 3
Transcript Title: Digital Media and SEO
Calendar Title: Digital Media and Search Engine Optimization.
Description:
Covers the fundamentals of promoting a brand through digital mediums and how to take advantage of earned digital media. Provides an understanding of how paid search, search engine optimization, various forms of digital media planning and placement, social media promotion work and, how to monitor and optimize performance.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active
CMIS 550  
**Credit Weight:** 3  
**Transcript Title:** Fundamentals of Big Data  
**Calendar Title:** Fundamentals of Big Data.  
**Description:** Investigates big data's enabling technologies; compares big data to traditional data models; and explores how big data enables applications such as data mining and deep learning.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Technology & Innovation  
**Status (catalog level):** Inactive

CMIS 641  
**Credit Weight:** 3  
**Transcript Title:** Info Systems for Managers  
**Calendar Title:** Information Systems for Managers.  
**Description:** Introduction to the importance of information systems (IS) and the digital transformation of companies from a managerial perspective. Overview of the strategic importance of information technology (IT) and IS, including implementing IS and IT projects for creating and capturing value and making companies more competitive. Consideration of managerial, informational, and technological issues arising from the use of IS, IT, and their respective processes. Application of a strategic framework for managing companies, especially digitized companies, more effectively.  
**Notes:**  
Restrictions: Not open to students who have taken CMIS 541.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active
CMPL 500
Credit Weight: 3
Transcript Title: Indigenous Peoples & the State
Calendar Title: Indigenous Peoples and the State.
Description:
Current legal topics relating to Indigenous peoples, including the concept of Indigenous title, and constitutional aspects of contemporary land claims. Aspects of Canadian law relating to Indigenous peoples, their constitutional status, and hunting and fishing rights.
Indigenous Peoples and the Law Indigenous Peoples and the Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 500D1
Credit Weight: 1.5
Transcript Title: Indigenous Peoples & the State
Calendar Title: Indigenous Peoples and the State.
Description:
Current legal topics relating to Indigenous peoples, including the concept of Indigenous title, and constitutional aspects of contemporary land claims. Aspects of Canadian law relating to Indigenous peoples, their constitutional status, and hunting and fishing rights.
Notes:
Students must register for both CMPL 500D1 and CMPL 500D2.
No credit will be given for this course unless both CMPL 500D1 and CMPL 500D2 are successfully completed in consecutive terms
CMPL 500D1 and CMPL 500D2 together are equivalent to CMPL 500
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 500D2
Credit Weight: 1.5
Transcript Title: Indigenous Peoples & the State
Calendar Title: Indigenous Peoples and the State.
Description:
See CMPL 500D1 for course description.
Notes:
Prerequisite: CMPL 500D1
No credit will be given for this course unless both CMPL 500D1 and CMPL 500D2 are successfully completed in consecutive terms
CMPL 500D1 and CMPL 500D2 together are equivalent to CMPL 500
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 501
Credit Weight: 3
Transcript Title: Jurisprudence
Calendar Title: Jurisprudence.
Description:
The main schools of jurisprudence and the most significant writings, particularly contemporary writings, in legal philosophy.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
CMPL 502
Credit Weight: 3
Transcript Title: Canon Law
Calendar Title: Canon Law.
Description: History, sources and methods of interpretation of canon law, its influence on secular legal traditions, its codification, and its contemporary relevance.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 504
Credit Weight: 3
Transcript Title: Feminist Legal Theory
Calendar Title: Feminist Legal Theory.
Description: Feminist theory and its relevance and application to law, including feminist methodologies in law, the public versus private dichotomy, and changing conceptions of equality.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 506
Credit Weight: 3
Transcript Title: Legal Theory
Calendar Title: Legal Theory.
Description: The philosophical basis of private law, from a comparative and historical perspective.
Notes: **The last class will be on Wednesday, May 22nd and there will be a final exam on Friday, May 31, 2019.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 511
Credit Weight: 3
Transcript Title: Social Diversity and Law
Calendar Title: Social Diversity and Law.
Description: The interaction of law and cultural diversity. Through the use of a number of case studies, we will examine: 1. The empirical effect of cultural diversity on legal systems. 2. Institutional structures to accommodate diversity. 3. Theoretical perspectives.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 512
Credit Weight: 3
Transcript Title: Theories of Justice
Calendar Title: Theories of Justice.
Description:
The concept of political justice and its relationship to particular legal and economic institutions, including the moral foundations of theories of justice, the nature of legitimate political authority, and the nature of distributive justice.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 513
Credit Weight: 3
Transcript Title: Talmudic Law
Calendar Title: Talmudic Law.
Description:
Historical sources of Talmudic law, methods of interpretation, selected topics, and relation to various secular legal traditions.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 515
Credit Weight: 3
Transcript Title: Intl Carriage of Goods by Sea
Calendar Title: International Carriage of Goods by Sea.
Description:
A comparative study of private international maritime law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 516
Credit Weight: 3
Transcript Title: International Development Law
Calendar Title: International Development Law.
Description:
The law and economics of development, including the role of agencies of the United Nations in development, the role of UNCTAD in formulating uniform rules of international trade, and the World Bank and the International Monetary Fund and their role in financing development.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 518
Credit Weight: 3
Transcript Title: Policies Polit & Legis Process
Calendar Title: Policies, Politics and Legislative Process.
Description:
The administrative and political structures which generate legislation in the province of Quebec.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 521
Credit Weight: 3
Transcript Title: Trade Regulation
Calendar Title: Trade Regulation.
Description: Historical contextualization of underlying trade principles; assessment of the interface between multilateral trade dispute resolution and domestic regulatory action in distinct public policy domains; consideration of internationalization claims, harmonization claims and the implications of trade regulation for democratic theory; particular attention to the WTO, selected regional agreements and the UN.
Notes: Prerequisite: CMPL 543 (Recommended) Restriction: Not open to first year students.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 522
Credit Weight: 3
Transcript Title: Medical Liability
Calendar Title: Medical Liability.
Description: Trans-systemic and critical examination of medical liability issues, including doctor-hospital-patient relationship; medical duty of care; medical fault and causation; wrongful life, birth and conception; informed consent and refusal; lack of resources; defective products; nosocomial infections; contaminated blood transfusions; interaction between law and science; future of medical liability.
Notes: Restriction: Not open to students in first year of Law. Responsabilité médicale.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 524
Credit Weight: 3
Transcript Title: Entertainment Law
Calendar Title: Entertainment Law.
Description: This course is designed to introduce students to the rules governing the Canadian entertainment industry in an international context with particular emphasis on the television, film production and distribution industries. There will also be limited coverage of the law relating to the music industry. The course will consider inter alia the contractual, tax, financial and insurance aspects of the law applicable to the entertainment industry.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 533
Credit Weight: 3
Transcript Title: Resolution of Int'l Disputes
Calendar Title: Resolution of International Disputes.
Description: Conflict of jurisdictions and recognition of foreign judgments, as well as arbitration between parties to international contracts, with particular reference to international conventions.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 536
Credit Weight: 3
Transcript Title: European Union Law 1
Calendar Title: European Union Law 1.
Description:
The Treaty of Rome establishing the European Community and current efforts to create a homogenous structure for commerce and competition in Europe.
European Union Law European Union Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 539
Credit Weight: 3
Transcript Title: International Taxation
Calendar Title: International Taxation.
Description:
Canadian tax treatment of subjects, including the export of goods and services, carrying on business in other countries, international employee transfers, international re-organizations, and international joint ventures and partnerships.
International Taxation International Taxation
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 543
Credit Weight: 3
Transcript Title: Law & Practice of Intl Trade
Calendar Title: Law and Practice of International Trade.
Description:
The fundamental aspects of international law governing international trade, and governmental regulation of international trade in Canada and Canada's major trading partners.
Law & Practice of Intl Trade. Law & Practice of Intl Trade.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 546
Credit Weight: 3
Transcript Title: Intl Envt'l Law & Politics
Calendar Title: International Environmental Law and Politics.
Description:
Examination of institutions and processes for global environmental protection. Consideration of means for advancing international cooperation for environmental protection, focusing on international law. Analysis of obstacles to applying international law to environmental problems. Examination of a range of governance structures for environmental protection and the way in which they operate.
Notes:
Public International Law recommended
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
CMPL 547
Credit Weight: 3
Transcript Title: Canadian Legal History
Calendar Title: Canadian Legal History.
Description: The history of Canadian law with emphasis on social history of law and legal history of Canadian society.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 553
Credit Weight: 3
Transcript Title: Intl Maritime Conventions
Calendar Title: International Maritime Conventions.
Description: International maritime conventions in respect of collisions, jurisdiction, limitation of liability, and their domestic interpretation, maritime liens and mortgages, marine insurance, and salvage.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 565
Credit Weight: 3
Transcript Title: Intl. Humanitarian Law
Calendar Title: International Humanitarian Law.
Description: Rules governing international and internal armed conflicts; historical and philosophical foundations; constraints on means to wage war; treatment of protected individuals, including prisoners of war, civilians and peacekeepers; enforcement, including belligerent reprisals and criminal prosecution; links with norms protecting human rights, the environment and cultural property; impact of cultural diversity.
Notes: Prerequisite: PUB2 105
Restriction: Not open to first year students.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 568
Credit Weight: 3
Transcript Title: Extrajudicial Dispute Resol
Calendar Title: Extrajudicial Dispute Resolution.
Description: An examination for the non-adjudicative means of dispute resolution, including mediation and consensual arbitration.
Notes: Restriction: Not open to students in the first year of Law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
CMPL 571
Credit Weight: 3
Transcript Title: Intl Law of Human Rights
Calendar Title: International Law of Human Rights.
Description:
International protection of human rights, particularly by the United Nations, its
specialized agencies, and the Council of Europe.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 573
Credit Weight: 3
Transcript Title: Civil Liberties
Calendar Title: Civil Liberties.
Description:
The protection of civil liberties in Canada with particular reference to public
and private law remedies and emphasis on discrimination, race relations, language
rights outside the Charter, and police powers.
Civil Liberties Civil Liberties
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 574
Credit Weight: 3
Transcript Title: Government Control of Business
Calendar Title: Government Control of Business.
Description:
Selected topics in government control and regulation of business with emphasis on
competition law and policy.
Government Control of Business Government Control of Business
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 575
Credit Weight: 3
Transcript Title: Discrimination and the Law
Calendar Title: Discrimination and the Law.
Description:
Equality rights and legal protections against discrimination under the Charter of
Rights and Freedoms, the Quebec Charter of Human Rights and Freedoms, and human
rights legislation.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 576
Credit Weight: 3
Transcript Title: Science Technology & Law
Calendar Title: Science Technology and Law.
Description:
Introduction to the philosophy of science and the history of technology,
reciprocal influences of science and law and their parallel development, concepts
common to law and science, and legal and ethical problems common to technological
change.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 577
Credit Weight: 3
Transcript Title: Communications Law
Calendar Title: Communications Law.
Description:
Regulation of common communication carriers and mass media in Canada, including
legal developments initiated by foreign market competition, and the regulatory
authority of the C.R.T.C.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 580
Credit Weight: 3
Transcript Title: Environment & the Law
Calendar Title: Environment and the Law.
Description:
Environmental law, with emphasis on ecological, economic, political, and
international dimensions.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 600
Credit Weight: 3
Transcript Title: Legal Traditions
Calendar Title: Legal Traditions.
Description:
Examination of the concept of a legal tradition, including elements of particular
legal traditions, their philosophical foundations, their implementation through
institutions, and their influence on one another.

Notes:
Restrictions: Restricted to students in the Institute of Comparative Law. Other
students by permission only.

Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 601
Credit Weight: 3
Transcript Title: Civil Law Perspectives
Calendar Title: Civil Law Perspectives.
Description:
Provides students from the common law tradition with a graduate-level perspective
on the civil law tradition.

Notes:
Restriction: Open only to students who do not have a first degree in the civil
law.

Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active
CMPL 602
Credit Weight: 3
Transcript Title: Common Law Perspectives
Calendar Title: Common Law Perspectives.
Description: Provides students from the civil law tradition with a graduate-level perspective on the common law tradition.
Notes: Restriction: Open only to students who do not have a first degree in the common law.
Administrating Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 603
Credit Weight: 3
Transcript Title: Human Rights & Cultural Diversity
Calendar Title: Human Rights and Cultural Diversity.
Description: Current topics in human rights and cultural diversity.
Administrating Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 604
Credit Weight: 3
Transcript Title: International Business Law
Calendar Title: International Business Law.
Description: Current topics in international business law.
Administrating Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 605
Credit Weight: 3
Transcript Title: Regulation Technology/Society
Calendar Title: Regulation Technology/Society.
Description: Current topics in regulation, technology, and society.
Administrating Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 610
Credit Weight: 1.5
Transcript Title: Legal Research Methodology 1
Calendar Title: Legal Research Methodology 1.
Description: Legal research methodology, including electronic legal research and the formulation of research plans.
Notes: Restrictions: Not open to students who have taken CMPL 610, CMPL 610D1/D2 prior to 202109.
Legal Research Methodology 1
CMPL 611
Credit Weight: 1.5
Transcript Title: Legal Research Methodology 2
Calendar Title: Legal Research Methodology 2.
Description:
Legal research methodology, including electronic legal research and the finalization of research plans.
Notes:
Prerequisite: CMPL 610
Restrictions: Not open to students who have taken CMPL 610, CMPL 610D1/D2 prior to 202109.

CMPL 612
Credit Weight: 3
Transcript Title: Master's Thesis 1
Calendar Title: Master's Thesis 1.
Description:
Preparation of thesis proposal.

CMPL 613
Credit Weight: 3
Transcript Title: Master's Thesis 2
Calendar Title: Master's Thesis 2.
Description:
Preparation of literature review.

CMPL 614
Credit Weight: 3
Transcript Title: Master's Thesis 3
Calendar Title: Master's Thesis 3.
Description:

CMPL 615
Credit Weight: 6
Transcript Title: Master's Thesis 4
Calendar Title: Master's Thesis 4.
Description:
Thesis research report.
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 615D1
Credit Weight: 3
Transcript Title: Master's Thesis 4
Calendar Title: Master's Thesis 4.
Description: Thesis research report.
Notes: Students must register for both CMPL 615D1 and CMPL 615D2
No credit will be given for this course unless both CMPL 615D1 and CMPL 615D2 are successfully completed in consecutive terms
CMPL 615D1 and CMPL 615D2 together are equivalent to CMPL 615
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 615D2
Credit Weight: 3
Transcript Title: Master's Thesis 4
Calendar Title: Master's Thesis 4.
Description: See CMPL 615D1 for course description.
Notes: Prerequisite: CMPL 615D1
No credit will be given for this course unless both CMPL 615D1 and CMPL 615D2 are successfully completed in consecutive terms
CMPL 615D1 and CMPL 615D2 together are equivalent to CMPL 615
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 616
Credit Weight: 12
Transcript Title: Master's Thesis 5
Calendar Title: Master's Thesis 5.
Description: Completion of thesis.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 616D1
Credit Weight: 6
Transcript Title: Master's Thesis 5
Calendar Title: Master's Thesis 5.
Description: Completion of thesis.
Notes: Students must register for both CMPL 616D1 and CMPL 616D2
No credit will be given for this course unless both CMPL 616D1 and CMPL 616D2 are successfully completed in consecutive terms
CMPL 616D1 and CMPL 616D2 together are equivalent to CMPL 616
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 616D2
Credit Weight: 6
Transcript Title: Master's Thesis 5
Calendar Title: Master's Thesis 5.
Description:
See CMPL 616D1 for course description.
Notes:
Prerequisite: CMPL 616D1
No credit will be given for this course unless both CMPL 616D1 and CMPL 616D2 are successfully completed in consecutive terms
CMPL 616D1 and CMPL 616D2 together are equivalent to CMPL 616
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 617
Credit Weight: 3
Transcript Title: Master's Thesis 6
Calendar Title: Master's Thesis 6.
Description:
Thesis research report.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 618
Credit Weight: 2
Transcript Title: Master's Thesis 7
Calendar Title: Master's Thesis 7.
Description:
Thesis research project.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 619
Credit Weight: 1
Transcript Title: Master's Thesis 8
Calendar Title: Master's Thesis 8.
Description:
Thesis research project.
Notes:
Restriction: This course is open only to graduate law students registered in a with-thesis Master's program in the Faculty of Law.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 641
Credit Weight: 3
Transcript Title: Theoretical Approaches to Law
Calendar Title: Theoretical Approaches to Law.
Description:
Introduction to a variety of theoretical approaches to legal scholarship.
Theoretical Approaches to Law

Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 642
Credit Weight: 3
Transcript Title: Law and Health Care
Calendar Title: Law and Health Care.
Description: The study of legal and ethical issues raised in medicine and healthcare with a particular focus upon the relationship between patient and healthcare professionals.
Symbols: LMT - Limited enrolment
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 655
Credit Weight: 15
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description: A major research paper on a current topic.
Notes: Restriction: This course is only open to students registered in a non-thesis Master's program in the Faculty of Law.

Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 656
Credit Weight: 2
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description: Annotated bibliography that critically assesses five relevant secondary sources for the student's research Project and an additional 3,000 words for the research project.
Notes: Prerequisite: CMPL 655 and/or permission of Associate Dean (Graduate Studies). This course is open to students in the LL.M. (Non-Thesis Option), within the Faculty of Law (general program) or within the Institute of Comparative Law. Special permission from Associate Dean of Graduate Studies is required, to be granted only in cases where it is impracticable for a student's course selection to add up precisely to 30 credits.

Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 657
Credit Weight: 1
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description:
Annotated bibliography that critically assesses five relevant secondary sources for the student’s research Project.

Notes:
Prerequisite: CMPL 655 and/or CMPL 656 and/or permission of Associate Dean (Graduate Studies).
This course is open to students in the LL.M. (Non-Thesis Option), within the Faculty of Law (general program) or within the Institute of Comparative Law. Special permission from Associate Dean of Graduate Studies is required, to be granted only in cases where it is impracticable for a student’s course selection to add up precisely to 30 credits.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 701
Credit Weight: 0
Transcript Title: Comprehen Exam-Comparative Law
Calendar Title: Comprehensive Examination-Comparative Law.
Description:
An examination comprised of written and oral components that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Restriction: D.C.L. graduate students in Comparative Law.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active
CMR2 542
Credit Weight: 3
Transcript Title: Mktg Principles & Applicat
Calendar Title: Marketing Principles and Applications.
Description:
Covers the different aspects of marketing operations: the marketing concept, the analysis and research of market opportunities, the planning, implementation, and control of the marketing program (Product, Promotion, Distribution, and Pricing). The course focuses on Canadian market environment and Canadian marketing institutions. Lectures and case studies on an individual basis and/or involving team work will be used.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CMR2 543
Credit Weight: 3
Transcript Title: Marketing of Services
Calendar Title: Marketing of Services.
Description:
Notes:
Prerequisite: CMR2 542 and CMR2 548.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CMR2 548
Credit Weight: 3
Transcript Title: Processes of Mktg Research
Calendar Title: Processes of Marketing Research.
Description:
Comprehensive review of statistics, with emphasis on key issues required to understand and communicate marketing information: descriptive statistics, measures of central tendency, theory of probability, normal distributions, hypothesis testing, correlation and regression. Marketing research: qualitative and quantitative data collection techniques, interpretation of secondary on-line research.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CMR2 556
Credit Weight: 3
Transcript Title: Buyer Behaviour
Calendar Title: Buyer Behaviour.
Description:
This course focuses on the behaviour of the consumer in the marketplace and the research approaches used to gain an understanding of that behaviour. Once sensitized to issues of human behaviour in this context, students develop a deeper understanding of the basic processes specific to consumer behaviour.
Notes:
Prerequisites: CMR2 542 and CMR2 548
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CMR2 564
Credit Weight: 3
Transcript Title: Mktg Comm: A Strategic Approach
Calendar Title: Marketing Communications: A Strategic Approach.
Description:
Strategic approach to the integrated marketing communications mix: advertising, promotion, creative, direct marketing, public relations, and sponsorships. Use and effects of social media. Communication theory and ethical issues.
Notes:
Prerequisites: CMR2 542 and CMR2 548

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CMR2 566
Credit Weight: 3
Transcript Title: Global Marketing Management
Calendar Title: Global Marketing Management.
Description:
Marketing management considerations of a company seeking to extend beyond the confines of its domestic market. A review of product, pricing, channels of distribution and communications policies to develop an optimum strategy (between adapting completely to each local environment and standardizing across them) for arriving at an integrated and profitable operation. Particular attention to international marketing and exporting in the Canadian context.
Notes:
Prerequisites: (CMR2 542 or CMR2 642) and CMR2 548 or CMR2 648 or CMS2 521 or CMS2 621.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 570
Credit Weight: 3
Transcript Title: Strategic Marketing Planning
Calendar Title: Strategic Marketing Planning.
Description:
Planning and decision-making. Strong quantitative component and focus on situational analysis and strategy development. Special attention to the role of marketing strategy in society and on its relevance to the firm, organization, and individual. Case analyses and field work.
Notes:
Prerequisites: CMIS 542, CMR2 542, 543, 548, 549, 556, 564, 566 and CPL2 510.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CMR2 573
Credit Weight: 3
Transcript Title: Digital Marketing Commun
Calendar Title: Digital Marketing Communications.
Description:
Applies a strategic approach to developing and measuring a digital marketing communication strategy for various platforms and channels aligned to the traditional marketing communications mix. Covers how to leverage best practices to optimise online community building, conversion, and customer experience through digital channels in an integrated marketing communication strategy.

Notes:
Prerequisites: CMIS 543, CMIS 544 and CMIS 549
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 590
Credit Weight: 3
Transcript Title: Topics in Marketing
Calendar Title: Topics in Marketing.
Description:
Specialized course covering an advanced topic in the marketing area selected from current issues or themes in literature.
Notes:
Note: Content will vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 642
Credit Weight: 3
Transcript Title: Marketing Principles and Apps
Calendar Title: Marketing Principles and Applications.
Description:
Examination of the different aspects of marketing operations: the marketing concept, analysis and research of market opportunities, and the planning, implementation, and control of the marketing program (product, promotion, distribution, and pricing). Focus is on the general market environment and Canadian marketing institutions.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 643
Credit Weight: 3
Transcript Title: Marketing of Services
Calendar Title: Marketing of Services.
Description:
Review of the concepts, frameworks, and current trends in the marketing of services, including new creative products. Analysis of issues pertaining to the delivery of service excellence, effective communication, the highest quality, and loyalty. Focus is on service marketing in the private and public sectors.
Notes:
Not open to students who have taken CMR2 543.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 648
Credit Weight: 3
Transcript Title: Marketing Research & Reporting
Calendar Title: Marketing Research and Reporting.

Description:
Review of statistics, with emphasis on key concepts required to understand and report marketing information. Overview of qualitative and quantitative data collection techniques and interpretation of secondary on-line research. Focus on Facebook and Google analytics and insights.

Notes:
Not open to students who have taken CMR2 548.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 650
Credit Weight: 3
Transcript Title: Digital Marketing Management
Calendar Title: Digital Marketing Management.
Description:
Overview of digital and web-based marketing principles and areas such as social media, search engine optimization, search engine marketing, content marketing, email marketing, and e-commerce. Design of digital strategies to drive business growth.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 664
Credit Weight: 3
Transcript Title: Integrated Marketing Communications.
Calendar Title: Integrated Marketing Communications.
Description:
Design of an integrated marketing plan, including creativity, branding, media selection, customer segmentation, and budgeting. Strategic approach to the integrated marketing mix: digital promotion, advertising, public relations, experiential marketing, and direct marketing.

Notes:
Not open to students who have taken CMR2 564.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 668
Credit Weight: 3
Transcript Title: Buyer Behaviour
Calendar Title: Buyer Behaviour.
Description:
Comprehensive overview of the behaviour of the consumer in the marketplace and the research approaches to analyzing and understanding that behaviour. Exploration of human behaviour and action in the marketing context with a focus on the basic processes of consumer decision-making.

Notes:
Not open to students who have taken CMR2 556.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMR2 691
Credit Weight: 3
Transcript Title: Marketing Strategy
Calendar Title: Marketing Strategy.
Description:
Development of a complete strategic marketing plan including the allocation of resources. Formulation of a marketing strategy for real-world cases.
Notes:
Not open to students who have taken CMR2 570.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CMRK 200
Credit Weight: 3
Transcript Title: Fundamentals of Marketing
Calendar Title: Fundamentals of Marketing.
Description:
Fundamental theories and principles of strategic marketing. Role of the marketing professional in the corporate environment. Applications of marketing practices to new businesses. Development of a marketing plan.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 225
Credit Weight: 3
Transcript Title: Marketing Stats and Research
Calendar Title: Marketing Statistics and Research.
Description:
Basic statistics for marketing research. Qualitative and quantitative data collection techniques, traditional and digital. Use of secondary on-line data: determining reliability, interpretation, analysis.
Notes:
Corequisite: CMRK 200
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 230
Credit Weight: 3
Transcript Title: Personal Selling and Cust Serv
Calendar Title: Personal Selling and Customer Service.
Description:
Introduction to theories and practices of personal selling and delivery of effective customer service. Relationship, product, customer and presentation strategies. Measurement of service quality, feedback, conflict resolution, and management of customer expectations.
Notes:
Corequisite: CMRK 200.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 235
Credit Weight: 3
Transcript Title: Digital Media Marketing
Calendar Title: Digital Media Marketing.
Description:
Electronic marketplaces and their evolving role in Internet business. New channels of marketing, including social media, advertising and communication. Planning, executing, and managing e-commerce. Web analytics, customer analysis, search engine optimization, search engine marketing and issues of permission and privacy.
Notes:
Corequisite: CMRK 200
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 320
Credit Weight: 3
Transcript Title: Principles of Consumer Behavior
Calendar Title: Principles of Consumer Behaviour.
Description:
Foundational and emerging concepts of consumer behaviour. Perception, learning, attitude formation and change, decision-making, social influences, motivations, values, lifestyle, geo-demographics and the dynamics of reference groups in social media. Ethical and responsible use of digital marketing tools.
Notes:
Prerequisites: CMRK 200 and CMRK 225.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 321
Credit Weight: 3
Transcript Title: Integrated Marketing Communications.
Calendar Title: Integrated Marketing Communications.
Description:
Marketing communications mix: advertising (in both traditional and digital media), publicity, promotion, creative tactics, direct marketing, marketing-oriented public relations, buzz creation, and sponsorships. Communication theory and ethical practice. Use and effects of social media
Notes:
Prerequisites: CMRK 200 and CMRK 225.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 322
Credit Weight: 3
Transcript Title: Basics of Service Marketing
Calendar Title: Basics of Service Marketing.
Description:
Notes:
Prerequisites: CMRK 200 and CMRK 225.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 325
Credit Weight: 3
Transcript Title: Global Marketing
Calendar Title: Global Marketing.
Description:
Issues faced by businesses when entering and operating in foreign markets: changes in product, pricing, channels, and communications policies. Export marketing in the Canadian context.
Notes:
Prerequisites: CMRK 200 and CMRK 225.
Administrating Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CMRK 430
Credit Weight: 3
Transcript Title: Marketing Applications
Calendar Title: Marketing Applications.
Description:
Integrative, capstone course: cultivating skills and techniques required for effective marketing planning. Application of theories and skills learned in previous courses. Situational analysis and problem-solving skills. Cases and marketing simulation.
Notes:
Prerequisites: CMRK 200, CMRK 225, CMRK 235, CMRK 320, CMRK 321, CMRK 322, CMRK 325, CPRL 221 and (CMRK 230 or CGMG 318)
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CMS2 500
Credit Weight: 3
Transcript Title: Mathematics for Management
Calendar Title: Mathematics for Management.
Description:
Basic mathematics needed for business applications, including graphs of functions, series summation, mathematics of finance, annuity, discounted cash flow, internal rate of return, permutations, combinations, maxima and minima of functions with business applications in optimization, introductory statistics and probability
Notes:
Prerequisite: CMSC 000
Note: "Mathematics for Management" must be completed in the first semester of the Diploma in Management program.
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMS2 505
Credit Weight: 3
Transcript Title: Quant Analy Tools in Dec Mkg
Calendar Title: Quantitative Analysis Tools in Decision Making.
Description:
This course provides applications-oriented operations research modeling tools, such as: linear programming, integer programming, network modeling, and queuing theory. Use of spreadsheet/modeling software is an integral part of this course.
Notes:
Corequisite: CMS2 500
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Inactive

CMS2 515
Credit Weight: 3
Transcript Title: Operations Management
Calendar Title: Operations Management.
Description:
Introduction to decisions and trade-offs associated with production of goods and services. Topics include technology planning (production process), design of production systems (capacity and location planning), control issues (production planning and inventory control, MRP/JIT, scheduling, quality and reliability and distribution planning), design for manufacturability, management of new technology (FMS, group technology and robotics) and management of services operations.
Notes:
Corequisite: CMS2 500
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CMS2 521
Credit Weight: 3
Transcript Title: Applied Management Statistics
Calendar Title: Applied Management Statistics.
Description:
Statistical methods used in a variety of business situations, emphasizing application and providing a working knowledge of the most widely-used techniques. Topics include descriptive statistics; probability distributions; sampling procedures and distributions; inferential statistics including estimation;
hypothesis testing and Anova; simple linear, multiple regression and correlation; time series and forecasting.

Notes:
Prerequisite: CMS2 500 or the Exemption by Examination Test

Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Inactive

CMS2 524
Credit Weight: 3
Transcript Title: Mgmt. of Service Operations
Calendar Title: Management of Service Operations.

Description:
The course takes an operations point of view to look at companies and industries in the services sector. It builds on conceptual frameworks and cases from a wide range of service operations, selected from health care, hospitality, internet services, transportation, retailing, financial services, humanitarian services, government services, and others.

Notes:
Prerequisite: CMS2 515

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CMS2 525
Credit Weight: 3
Transcript Title: Supply Chain Management
Calendar Title: Supply Chain Management.

Description:
This is an applications-oriented course in supply chain strategy and macro-processes of supply chain management such as supplier relations management, customer relations management, logistics and distribution. Use of operations research models and computer software will be an integral part of this course.

Notes:
Prerequisites: CMS2 505 and CMS2 515

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CMS2 527
Credit Weight: 3
Transcript Title: Bus Intelligence and Analytics
Calendar Title: Business Intelligence and Analytics.

Description:
This course provides a managerial and technical focus on computational and business techniques which can help to identify new business opportunities and transform an organization's future by optimizing operational and strategic decision making.

Notes:
Prerequisite(s): CMS2 500

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Inactive

CMS2 529
Credit Weight: 3
Transcript Title: Introduction to Data Analytics
Calendar Title: Introduction to Data Analytics.
Description:
Focuses on executing statistical methods on data sets for descriptive, predictive, and prescriptive analysis, and effectively interpreting and presenting analytic results in support of business decision making.
Notes:
Prerequisite: CMS2 500
Administrating Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Inactive

CMS2 530
Credit Weight: 3
Transcript Title: Simulation Analysis & Modeling
Calendar Title: Simulation Analysis and Modeling.
Description:
This course focuses on the theory and practice of simulation modeling and analysis with applications in supply chain manufacturing and service operations. Use of spreadsheets and simulation modeling software is an integral part of this course.
Notes:
Prerequisite: CMS2 505
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CMS2 531
Credit Weight: 3
Transcript Title: Re-Eng & Integr of Bus Systs
Calendar Title: Re-Engineering and Integration of Business Systems.
Description:
Information systems used in supply chains are presented in the context of enterprise resource planning (ERP) systems with applications in manufacturing, retailing and distribution services sectors. Core business processes and transactions pertaining to supply chain management are identified and discussed in terms of relevant ERP modules.
Notes:
Prerequisite: CMS2 525
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CMS2 532
Credit Weight: 3
Transcript Title: Lean Operations Systems
Calendar Title: Lean Operations Systems.
Description:
The course focuses on the objectives and ways of the Lean Operations System and provides descriptions of the customer-oriented lean techniques, such as, just-in-time, total quality management, problem solving, materials management and load leveling. Lean management patterns like the Deming's Plan Do Check Act wheel are highlighted.
Notes:
Administrating Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive
CMS2 533
Credit Weight: 3
Transcript Title: Lean Ops&Perf Mgmt in Hlth Ser
Calendar Title: Lean Operations and Performance Management in Health Services.
Description: Role of operations management and how to create public value by delivering services effectively and efficiently, and measure the performance of the organization, including how the lean approach in healthcare can provide ‘outside of the box’ solutions to resolve process issues and improve quality, cost and delivery of healthcare services.
Notes: Corequisite: CHLC 500.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMS2 533D1
Credit Weight: 1.5
Transcript Title: Lean Ops&Perf Mgmt in Hlth Ser
Calendar Title: Lean Operations and Performance Management in Health Services.
Description: Role of operations management and how to create public value by delivering services effectively and efficiently, and measure the performance of the organization, including how the lean approach in healthcare can provide ‘outside of the box’ solutions to resolve process issues and improve quality, cost and delivery of healthcare services.
Notes: Students must register for both CMS2 533D1 and CMS2 533D2.
No credit will be given for this course unless both CMS2 533D1 and CMS2 533D2 are successfully completed in consecutive terms.
CMS2 533D1 and CMS2 533D2 together are equivalent to CMS2 533.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMS2 533D2
Credit Weight: 1.5
Transcript Title: Lean Ops&Perf Mgmt in Hlth Ser
Calendar Title: Lean Operations and Performance Management in Health Services.
Description: Role of operations management and how to create public value by delivering services effectively and efficiently, and measure the performance of the organization, including how the lean approach in healthcare can provide ‘outside of the box’ solutions to resolve process issues and improve quality, cost and delivery of healthcare services.
Notes: Prerequisite: CMS2 533D1.
No credit will be given for this course unless both CMS2 533D1 and CMS2 533D2 are successfully completed in consecutive terms.
CMS2 533D1 and CMS2 533D2 together are equivalent to CMS2 533.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMS2 533J1
Credit Weight: 1
Transcript Title: Lean Ops & Perf Mgmt in Hlth Ser
Calendar Title: Lean Operations and Performance Management in Health Services.
Description:
Role of operations management and how to create public value by delivering services effectively and efficiently, and measure the performance of the organization, including how the lean approach in healthcare can provide 'outside of the box' solutions to resolve process issues and improve quality, cost and delivery of healthcare services.
Notes:
Students must also register for CMS2 533J2 and CMS2 533J3
No credit will be given for this course unless CMS2 533J1, CMS2 533J2 and CMS2 533J3 are all successfully completed in consecutive terms
CMS2 533J1, CMS2 533J2 and CMS2 533J3 together are equivalent to CMS2 533
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMS2 533J2
Credit Weight: 1
Transcript Title: Lean Ops & Perf Mgmt in Hlth Ser
Calendar Title: Lean Operations and Performance Management in Health Services.
Description:
See CMS2 533J1 for description.
Notes:
Prerequisite: CMS2 533J1
Students must also register for CMS2 533J3
No credit will be given for this course unless CMS2 533J1, CMS2 533J2 and CMS2 533J3 are all successfully completed in consecutive terms
CMS2 533J1, CMS2 533J2 and CMS2 533J3 together are equivalent to CMS2 533
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMS2 533J3
Credit Weight: 1
Transcript Title: Lean Ops & Perf Mgmt in Hlth Ser
Calendar Title: Lean Operations and Performance Management in Health Services.
Description:
See CMS2 533J1 for description.
Notes:
Prerequisite: CMS2 533J2
Students must also register for CMS2 533J3
No credit will be given for this course unless CMS2 533J1, CMS2 533J2 and CMS2 533J3 are all successfully completed in consecutive terms
CMS2 533J1, CMS2 533J2 and CMS2 533J3 together are equivalent to CMS2 533
Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CMS2 540
Credit Weight: 3
Transcript Title: Six-Sigma Quality Management
Calendar Title: Six-Sigma Quality Management.
Description:
The course includes a coherent and integrated description of the Six-Sigma methodology, from the problem definition phase to the control phase that
demonstrates the stability of the solution. In addition, the course clarifies the relation of Six-Sigma to LEAN and summarizes the patterns to deploy Six Sigma in an organization.

Notes:
Prerequisite: CMS2 500 and CMS2 532.

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CMS2 550
Credit Weight: 3
Transcript Title: Supply Chain Field Project
Calendar Title: Supply Chain Field Project.
Description:
This course is built around a team project involving modeling, use of lean/six sigma techniques and/or use of information systems to optimize processes across the entire enterprise/supply chain. The project could be in services (health care, banking/insurance, etc.), logistics (distribution, retailing, 3PL), or manufacturing (sourcing, production/operations planning, inventory deployment, etc).

Notes:
Prerequisites: CMS2 524 and CMS2 540
Corequisite: CMS2 531

CMS2 590
Credit Weight: 3
Transcript Title: Special Topics in Mathematics
Calendar Title: Special Topics in Mathematics.
Description:
Intended for students studying at the graduate level in programs requiring specific mathematics skills. Covers intermediate and advanced concepts and selected topics in mathematics.

Notes:
Prerequisite: CMSC 000 or departmental approval

CMS2 621
Credit Weight: 3
Transcript Title: Applied Management Statistics
Calendar Title: Applied Management Statistics.
Description:
Statistical methods used in a variety of business situations, emphasizing application and providing a working knowledge of the most widely-used techniques. Topics include descriptive statistics; probability distributions; sampling procedures and distributions; inferential statistics including estimation; hypothesis testing and Anova; simple linear, multiple regression and correlation; time series and forecasting.

Notes:
Not open to students who have taken CMS2 521.

Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active
CMS2 627

Credit Weight: 3

Transcript Title: Bus Intelligence and Analytics

Calendar Title: Business Intelligence and Analytics.

Description:
This course provides a managerial and technical focus on computational and business techniques which can help to identify new business opportunities and transform an organization’s future by optimizing operational and strategic decision making.

Notes:
Prerequisite(s): CMS2 500
Not open to students who have taken CMS2 527.
Course may be offered in-person or online.

Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active
CMSC 000
Credit Weight: 3
Transcript Title: Foundations of Mathematics
Calendar Title: Foundations of Mathematics.
Description:
First-degree equations and applied word problems, polynomials, factoring, fractions, exponents, roots and radicals, inequalities, quadratic equations and functions, composite and inverse functions, arithmetic and geometric sequences and series.
Notes:
The passing grade for this course is B-
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 003
Credit Weight: 3
Transcript Title: FndnsofLogs,Trig&Intro to Cal
Calendar Title: Foundations of Logarithms, Trigonometry & Intro to Calculus.
Description:
Introduction to logarithms and trigonometry. Topics include logs and exponents, using linear equations, limits and differentiation, continuity, derivatives, and introduction to integral calculus.
Notes:
Prerequisite: CMSC 000
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CMSC 004
Credit Weight: 3
Transcript Title: Fndns:Stats,Prob&Intro to LinAlg
Calendar Title: Foundations: Statistics, Probability & Intro to Linear Algebra.
Description:
Statistics and probability, with an introduction to linear algebra, Gaussian elimination for solving linear systems, and an introduction to vectors and matrices in the context of linear systems.
Notes:
Prerequisite: CMSC 003
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CMSC 101
Credit Weight: 3
Transcript Title: Math Tools for Mgmt Professls
Calendar Title: Mathematical Tools for Management Professionals.
Description:
Exponential and logarithmic functions and equations, mathematics of finance, permutations and combinations, introduction to probability, limits and derivatives with applications, matrices and systems of linear equations.
Notes:
Prerequisite: CMSC 000 Foundations of Mathematics or Diagnostic Test
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active
CMSC 105
Credit Weight: 3
Transcript Title: Topics in Foundns of Mathematics
Calendar Title: Topics in Foundations of Mathematics.
Description: A selection of introductory topics in the foundations of mathematics.
Notes: Prerequisite(s): CMSC 000 or Departmental Approval.
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 110
Credit Weight: 3
Transcript Title: Topics in Applied Mathematics
Calendar Title: Topics in Applied Mathematics.
Description: A selection of intermediate-level topics in applied mathematics.
Notes: Prerequisite: CMSC 000 or Departmental Approval.
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 203
Credit Weight: 3
Transcript Title: Survey of Basic Mathematics 1
Calendar Title: Survey of Basic Mathematics 1.
Description: Review of analytic geometry, limits, continuity, the derivative, differentiation rules, curve sketching, application to economics, elasticity, problems in optimization, related rates, the differential, log and exponential, continuous compounding, partial differentiation, method of Lagrange multipliers, method of least squares.
Notes: Prerequisite: CMSC 101
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 204
Credit Weight: 3
Transcript Title: Survey of Basic Mathematics 2
Calendar Title: Survey of Basic Mathematics 2.
Description: Integration, separable differential equations, definite integrals, improper integrals, applications to probability density functions; double integrals, infinite series and Taylor approximations; the algebra of matrices and determinants, systems of linear equations, Gaussian reduction, linear dependence and independence of vectors.
Notes: Prerequisite: CMSC 203
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active
CMSC 221
Credit Weight: 3
Transcript Title: Applied Quantitative Methods
Calendar Title: Applied Quantitative Methods.
Description:
This course will cover the fundamentals of mathematics and algebra, and introduce statistical and quantitative techniques with a focus on applications related to the field of finance, such as simple and multiple linear regressions, financial forecasting method and generation of Pro-Forma Financial statements.
Notes:
Prerequisite: CMSC 000 (or the Exemption by Examination test)
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 300
Credit Weight: 3
Transcript Title: Concepts in Mathematics
Calendar Title: Concepts in Mathematics.
Description:
Course intended for engineering and pure science students covering introductory level selected concepts in mathematics.
Notes:
Prerequisite: CMSC 000 or departmental approval.
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 310
Credit Weight: 3
Transcript Title: Managerial Econ & Analysis
Calendar Title: Managerial Economics and Analysis.
Description:
An overview of the economic theories as well as the internal and external economic factors that influence business so as to apply and understand managerial decision-making tools. Consideration will be paid to foundational topics such as theories of supply and demand; consumer behaviour; production, cost and pricing strategies; market structures; and optimization techniques.
Notes:
Prerequisite: CMSC 000
Restriction: Not open to students who have taken or are taking MGCR 293
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CMSC 320
Credit Weight: 3
Transcript Title: Business Statistics
Calendar Title: Business Statistics.
Description:
An overview of descriptive statistics, probability, random variables, binomial, Poisson, normal distributions, sampling distribution of the mean, estimation, hypothesis testing, analysis of variance, tests of goodness of fit, linear and multiple regression, non-parametric statistics. Business and management case studies will be used.
Notes:
Prerequisite: CMSC 101
Restriction: Not open to students who have taken or are taking MGCR 273
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CMSC 395
Credit Weight: 3
Transcript Title: Special Topics in Mathematics
Calendar Title: Special Topics in Mathematics.
Description:
Course intended for computer science students covering more advanced level selected topics in mathematics.
Notes:
Prerequisite: CMSC 000 or departmental approval.
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active
COGS 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description: Independent research project with a final written report.
Notes: Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only. Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 401
Credit Weight: 6
Transcript Title: Research Cognitive Science 1
Calendar Title: Research Cognitive Science 1.
Description: Research project supervised by a McGill Faculty member.
Notes: Prerequisites: 30 credits of Cognitive Science program. Approval of Program Director. CGPA >3.00 Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 401D1
Credit Weight: 3
Transcript Title: Research Cognitive Science 1
Calendar Title: Research Cognitive Science 1.
Description: Research project supervised by a McGill Faculty member.
Notes: Prerequisites: 30 credits of Cognitive Science program. Approval of Program Director. CGPA >3.00 Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions. Students must register for COGS 401D1 and 401D2 at the same time. No credit will be given for this course unless both COGS 401D1 and COGS 401D2 are successfully completed in consecutive terms. COGS 401D1 and COGS 401D2 are equivalent to COGS 401
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 401D2
Credit Weight: 3
Transcript Title: Research Cognitive Science 1
Calendar Title: Research Cognitive Science 1.
Description:
Research project supervised by a McGill Faculty member.
Notes:
Prerequisite: COGS 401D1
No credit will be given for this course unless both COGS 401D1 and COGS 401D2 are successfully completed in consecutive terms.
COGS 401D1 and COGS 401D2 are equivalent to COGS 401
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 401N1
Credit Weight: 3
Transcript Title: Research Cognitive Science 1
Calendar Title: Research Cognitive Science 1.
Description:
See COGS 401 for course description.
Notes:
Prerequisites: 30 credits of Cognitive Science program. Approval of Program Director. CGPA >3.00
Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.
Students must register for COGS 401N1 and 401N2 at the same time.
No credit will be given for this course unless both COGS 401N1 and COGS 401N2 are successfully completed in consecutive terms.
COGS 401N1 and COGS 401N2 are equivalent to COGS 401
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 401N2
Credit Weight: 3
Transcript Title: Research Cognitive Science 1
Calendar Title: Research Cognitive Science 1.
Description:
See COGS 401 for course description.
Notes:
Prerequisite: COGS 401N1
No credit will be given for this course unless both COGS 401N1 and COGS 401N2 are successfully completed in consecutive terms.
COGS 401N1 and COGS 401N2 are equivalent to COGS 401
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 444
Credit Weight: 6
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description: Honours research project.
Notes:
Prerequisite: Permission of Director of Cognitive Science Programs.
Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.

Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 444D1
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description: Honours research project.
Notes:
Prerequisite: Permission of Director of Cognitive Science Programs.
Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.
Students must register for both COGS 444D1 and COGS 444D2. No credit will be given for this course unless both COGS 444D1 and COGS 444D2 are successfully completed in consecutive terms.

Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 444D2
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description:
See COGS 444D1 for course description.
Notes:
Prerequisite: COGS 444D1.
Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.
No credit will be given for this course unless both COGS 444D1 and COGS 444D2 are successfully completed in consecutive terms

Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 444N1
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description:
Honours research project.
Notes:
Prerequisite: Permission of Director of Cognitive Science Programs.
Note: To receive approval to register for this course, a student must present a
research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.

Students must also register for COGS 444N2.

No credit will be given for this course unless both COGS 444N1 and COGS 444N2 are successfully completed in a twelve month period.

Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

COGS 444N2
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description:
See COGS 444N1 for course description.
Notes:
Prerequisite: COGS 444N1.
Note: To receive approval to register for this course, a student must present a research proposal to the Director of the Cognitive Science Program. See https://www.mcgill.ca/cogsci/research/ for instructions.
No credit will be given for this course unless both COGS 444N1 and COGS 444N2 are successfully completed in a twelve month period.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active
COMP 102
Credit Weight: 3
Transcript Title: Computers & Computing
Calendar Title: Computers and Computing.
Description:
A course for students with no previous knowledge of computer science. The impact of computers on society. Web design and dynamic content. The inner workings of computers (hardware). Networking principles. Algorithm design and programming. A look at how computers store data (image, sound, and video). Software distribution policies and mechanisms.

Notes:
3 hours
Prerequisite: high school level mathematics course on functions.
Restrictions: Credit will not be given for COMP 102 if it is taken concurrently with, or after, any of: COMP 202, COMP 203, COMP 208, COMP 250. Management students cannot receive credit for COMP 102.
Administrating Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 189
Credit Weight: 3
Transcript Title: Computers and Society
Calendar Title: Computers and Society.
Description:
How computer technologies shape social notions such as ownership, safety, and privacy. Emphasis is on computer science powering both day-to-day technologies (e.g., online social media) and those in the news (e.g., cyberwar). Discussions will investigate technology and social issues in order to understand both.

Administrating Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 202
Credit Weight: 3
Transcript Title: Foundations of Programming
Calendar Title: Foundations of Programming.
Description:
Introduction to computer programming in a high level language: variables, expressions, primitive types, methods, conditionals, loops. Introduction to algorithms, data structures (arrays, strings), modular software design, libraries, file input/output, debugging, exception handling. Selected topics.

Notes:
3 hours
Prerequisite: a CEGEP level mathematics course
Restrictions: COMP 202 and COMP 208 cannot both be taken for credit. COMP 202 is intended as a general introductory course, while COMP 208 is intended for students interested in scientific computation. COMP 202 cannot be taken for credit with or after COMP 250
Administrating Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 204
Credit Weight: 3
Transcript Title: Comp. Programming for Life Sci
Calendar Title: Computer Programming for Life Sciences.
Description:

Notes:
Prerequisite(s): CEGEP level mathematics course.
Co-requisite: BIOL 112
Restrictions: Not open to students who have taken or are taking COMP 202, COMP 208, or GEOG 333; not open to students who have taken or are taking COMP 206 or COMP 250.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 206
Credit Weight: 3
Transcript Title: Intro to Software Systems
Calendar Title: Introduction to Software Systems.
Description:
Comprehensive overview of programming in C, use of system calls and libraries, debugging and testing of code; use of developmental tools like make, version control systems.

Notes:
3 hours
Prerequisite: COMP 202 or COMP 250

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 208
Credit Weight: 3
Transcript Title: Computer Programming for PS&E
Calendar Title: Computer Programming for Physical Sciences and Engineering.
Description:
Programming and problem solving in a high level computer language: variables, expressions, types, functions, conditionals, loops, objects and classes. Introduction to algorithms such as searching and sorting. Modular software design, libraries, file input and output, debugging. Emphasis on applications in Physical Sciences and Engineering, such as root finding, numerical integration, diffusion, Monte Carlo methods.

Notes:
3 hours
Corequisite: MATH 133 and MATH 141, or equivalents.
Restrictions: Not open to students who have taken or are taking COMP 202, COMP 204, or GEOG 333; not open to students who have taken or are taking COMP 206 or COMP 250.

COMP 202 is intended as a general introductory course, while COMP 208 is intended for students with sufficient math background and in (non-life) science or engineering fields.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 230
Credit Weight: 3
Transcript Title: Logic and Computability
Calendar Title: Logic and Computability.
Description:
Propositional Logic, predicate calculus, proof systems, computability Turing machines, Church-Turing thesis, unsolvable problems, completeness, incompleteness, Tarski semantics, uses and misuses of Gödel's theorem.
Notes:
3 hours
Prerequisite: CEGEP level mathematics.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 250
Credit Weight: 3
Transcript Title: Intro to Computer Science
Calendar Title: Introduction to Computer Science.
Description:
Mathematical tools (binary numbers, induction, recurrence relations, asymptotic complexity, establishing correctness of programs), Data structures (arrays, stacks, queues, linked lists, trees, binary trees, binary search trees, heaps, hash tables), Recursive and non-recursive algorithms (searching and sorting, tree and graph traversal). Abstract data types, inheritance. Selected topics.
Notes:
3 hours
Prerequisites: Familiarity with a high level programming language and CEGEP level Math.
Students with limited programming experience should take COMP 202 or equivalent before COMP 250. See COMP 202 Course Description for a list of topics.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 251
Credit Weight: 3
Transcript Title: Algorithms and Data Structures
Calendar Title: Algorithms and Data Structures.
Description:
Introduction to algorithm design and analysis. Graph algorithms, greedy algorithms, data structures, dynamic programming, maximum flows.
Notes:
3 hours
Prerequisites: COMP 250; MATH 235 or MATH 240
COMP 251 uses mathematical proof techniques that are taught in the corequisite course(s). If possible, students should take the corequisite course prior to COMP 251.
COMP 251 uses basic counting techniques (permutations and combinations) that are covered in MATH 240 but not in MATH 235. These techniques will be reviewed for the benefit of MATH 235 students.
Restrictions: Not open to students who have taken or are taking COMP 252.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 252
Credit Weight: 3
Transcript Title: Honours Algorithms & Data Struct
Calendar Title: Honours Algorithms and Data Structures.

Description:
The design and analysis of data structures and algorithms. The description of various computational problems and the algorithms that can be used to solve them, along with their associated data structures. Proving the correctness of algorithms and determining their computational complexity.

Notes:
3 hours
Prerequisite: COMP 250 and either MATH 235 or MATH 240
Restrictions: (1) Open only to students in Honours programs. (2) Students cannot receive credit for both COMP 251 and COMP 252.
COMP 252 uses basic combinatorial counting methods that are covered in MATH 240 but not in MATH 235. Students who are unfamiliar with these methods should speak with the instructor for guidance.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 273
Credit Weight: 3

Transcript Title: Intro to Computer Systems
Calendar Title: Introduction to Computer Systems.

Description:
Number representations, combinational and sequential digital circuits, MIPS instructions and architecture datapath and control, caches, virtual memory, interrupts and exceptions, pipelining.

Notes:
3 hours
Corequisite: COMP 206.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 280
Credit Weight: 3

Transcript Title: Hist and Phil of Computing
Calendar Title: History and Philosophy of Computing.

Description:

Notes:
3 hours

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 302
Credit Weight: 3

Transcript Title: Programming Lang & Paradigms
Calendar Title: Programming Languages and Paradigms.

Description:
Programming language design issues and programming paradigms. Binding and scoping, parameter passing, lambda abstraction, data abstraction, type checking. Functional and logic programming.

Notes:
3 hours
Prerequisite(s): COMP 250 and (MATH 240 or MATH 235 or MATH 318 or COMP 230 or PHIL 210)

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 303
Credit Weight: 3
Transcript Title: Software Design
Calendar Title: Software Design.
Description:
Principles, mechanisms, techniques, and tools for object-oriented software design and its implementation, including encapsulation, design patterns, and unit testing.
Notes:
3 hours
Prerequisites: COMP 206, COMP 250.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 307
Credit Weight: 3
Transcript Title: Principles of Web Development
Calendar Title: Principles of Web Development.
Description:
The course discusses the major principles, algorithms, languages and technologies that underlie web development. Students receive practical hands-on experience through a project.
Notes:
Prerequisite(s): COMP 206
Corequisite(s): COMP 303

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 308
Credit Weight: 1
Transcript Title: Computer Systems Lab
Calendar Title: Computer Systems Lab.
Description:
Digital circuitry and programming interface of peripheral circuit boards (cards), e.g., graphics cards; introduction to tools and libraries that interact with the card; performance issues.
Notes:
1 hour
Prerequisite: COMP 273.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 310
Credit Weight: 3
Transcript Title: Operating Systems
Calendar Title: Operating Systems.
Description:
Control and scheduling of large information processing systems. Operating system software - resource allocation, dispatching, processors, access methods, job control languages, main storage management. Batch processing, multiprogramming, multiprocessing, time sharing.

Notes:
3 hours
Prerequisite: COMP 273

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 321
Credit Weight: 3
Transcript Title: Programming Challenges
Calendar Title: Programming Challenges.
Description:
Development of programming skills on tricky challenges, games and puzzles by means of programming competitions.

Notes:
1 hour
Prerequisites: COMP 206
Note: At the end of the class, interested students are encouraged to join the McGill team to participate in the annual ACM International Collegiate Programming Competition.
Corequisites: COMP 251 or COMP 252

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 322
Credit Weight: 1
Transcript Title: Introduction to C++
Calendar Title: Introduction to C++.
Description:
Basics and advanced features of the C++ language. Syntax, memory management, class structure, method and operator overloading, multiple inheritance, access control, stream I/O, templates, exception handling.

Notes:
1 hour
Prerequisite(s): COMP 250 and (COMP 206 or COMP 208)

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 330
Credit Weight: 3
Transcript Title: Theory of Computation
Calendar Title: Theory of Computation.
Description:
Finite automata, regular languages, context-free languages, push-down automata, models of computation, computability theory, undecidability, reduction techniques.

Notes:
3 hours
Prerequisite: COMP 251.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 345  
Credit Weight: 3  
Transcript Title: From Natural Lang to Data Sci  
Calendar Title: From Natural Language to Data Science.  
Description: Introduction to language data science, including theoretical approaches and practical skills. Processing, searching, and querying text data; making sense of large corpora; modelling and interpreting psycholinguistic and historical language data; building models of sequences of words; computing similarity between languages; information retrieval and extraction; question answering; and ethics.  
Notes: Prerequisites: COMP 250, and MATH 240; or permission of the instructor. Restriction: Not open to students who have taken or are taking LING 345.  
Administering Faculty: Faculty of Science  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 350  
Credit Weight: 3  
Transcript Title: Numerical Computing  
Calendar Title: Numerical Computing.  
Notes: 3 hours  
Prerequisites: MATH 222 and MATH 223 and one of: COMP 202, COMP 208, COMP 250; or equivalents. Restrictions: Students cannot receive credit for both COMP 350 and MATH 317.  
Administering Faculty: Faculty of Science  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 360  
Credit Weight: 3  
Transcript Title: Algorithm Design  
Calendar Title: Algorithm Design.  
Description: Advanced algorithm design and analysis. Linear programming, complexity and NP-completeness, advanced algorithmic techniques.  
Notes: 3 hours  
Prerequisite: Either COMP 251 or COMP 252, and either MATH 240 or MATH 235 or MATH 363. Restriction: Not open to students who have taken or are taking COMP 362.  
Administering Faculty: Faculty of Science  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 361D1
Credit Weight: 3
Transcript Title: Software Engineering Project
Calendar Title: Software Engineering Project.
Description:
Software development process in practice: requirement elicitation and analysis, software design, implementation, integration, test planning, and maintenance. Application of the core concepts and techniques through the realization of a large software system.
Notes:
Prerequisites: COMP 206, COMP 250
Corequisite: COMP 303
Restriction: Not open to students who have taken the 3 credit version of COMP 361.
Students must register for both COMP 361D1 and COMP 361D2
No credit will be given for this course unless both COMP 361D1 and COMP 361D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 361D2
Credit Weight: 3
Transcript Title: Software Engineering Project
Calendar Title: Software Engineering Project.
Description:
See COMP 361D1 for course description.
Notes:
Prerequisite: COMP 361D1
No credit will be given for this course unless both COMP 361D1 and COMP 361D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 362
Credit Weight: 3
Transcript Title: Honours Algorithm Design
Calendar Title: Honours Algorithm Design.
Description:
Basic algorithmic techniques, their applications and limitations. Problem complexity, how to deal with problems for which no efficient solutions are known.
Notes:
3 hours
Prerequisite: COMP 252
Restriction: Not open to students who have taken or are taking COMP 360.
Note: COMP 362 can be used instead of COMP 360 to satisfy prerequisites.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 364
Credit Weight: 3
Transcript Title: Comp. Tools for Life Sciences
Calendar Title: Computer Tools for Life Sciences.
Description:
Concepts and tools for programmatic storage, retrieval, searching, numerical
analysis, and visualization of large biological data sets.

Notes:
3 hours
Prerequisite: BIOL 200.
Restriction: Not available to students in Computer Science or Joint Computer Science programs.
Note: It is recommended that students have already taken a laboratory course (e.g., BIOL 301 Cell and Molecular Laboratory). Topics motivated by biological questions.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 370
Credit Weight: 3
Transcript Title: Introduction to Data Science
Calendar Title: Introduction to Data Science.
Description:
Comprehensive introduction to the data science process. Orientation to the use and configuration of core data science toolkits, data collection and annotation fundamentals, principles of responsible data science, the use of quantitative tools in data science, and presentation of data science findings.

Notes:
Prerequisites: COMP 206 and COMP 250
Restrictions: Not open to students who have taken COMP 598 when the topic was "Introduction to Data Science" or "Data Science".

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.

Notes:
3 hours
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrollment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 400
Credit Weight: 4
Transcript Title: Project in Computer Science
Calendar Title: Project in Computer Science
Description:
A research project in any area of computer science, involving a programming effort and/or a theoretical investigation, and supervised by a faculty member in the School of Computer Science. Final written report required.
Notes:
3 hours
Prerequisites: 15 Computer Science credits.
Restriction: For Honours students, or non-Honours students with permission of the department.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 401
Credit Weight: 3
Transcript Title: Project in Biol. & Comp. Sci.
Calendar Title: Project in Biology and Computer Science.
Description:
A research project applying computational approaches to a biological problem. The project is (co)-supervised by a professor in Computer Science and/or Biology. A program advisor from each department has to approve the project.
Notes:
3 hours
Prerequisites: COMP 251 and 9 credits of BIOL courses, BIOL 301 recommended.
Restriction: Registration in the Biology and Computer Science joint major.
Note: having taken BIOL 301 before COMP 401 is beneficial for finding a project within a Biology lab.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 402
Credit Weight: 6
Transcript Title: Honours Project CS and Biology
Calendar Title: Honours Project in Computer Science and Biology.
Description:
One-semester research project applying computational approaches to a biological problem. The project is (co)-supervised by a professor in Computer Science and/or Biology or related fields.
Notes:
Prerequisite(s): 9 credits of COMP courses and 9 credits of BIOL courses.
Restriction(s): Only for students in the Joint Honours in Computer Science and Biology.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 402D1
Credit Weight: 3
Transcript Title: Honours Project CS and Biology
Calendar Title: Honours Project in Computer Science and Biology.
Description:
A two-semester research project applying computational approaches to a biological problem. The project is (co)-supervised by a professor in Computer Science and/or
Biology or related fields.

Notes:
- Prerequisite(s): 9 credits of COMP courses and 9 credits of BIOL courses.
- Restriction(s): Only for students in the Joint Honours in Computer Science and Biology.
  - Students must register for both COMP 402D1 and COMP 402D2
  - No credit will be given for this course unless both COMP 402D1 and COMP 402D2 are successfully completed in consecutive terms
  - COMP 402D1 and COMP 402D2 are equivalent to COMP 402

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 402D2
Credit Weight: 3
Transcript Title: Honours Project CS and Biology
Calendar Title: Honours Project in Computer Science and Biology.
Description:
A two-semester research project applying computational approaches to a biological problem. The project is (co)-supervised by a professor in Computer Science and/or Biology or related fields.

Notes:
- Prerequisite(s): 9 credits of COMP courses and 9 credits of BIOL courses. COMP 402D1
- Restriction(s): Only for students in the Joint Honours in Computer Science and Biology.
- Prerequisite: COMP 402D1
- No credit will be given for this course unless both COMP 402D1 and COMP 402D2 are successfully completed in consecutive terms
- COMP 402D1 and COMP 402D2 are equivalent to COMP 402

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 409
Credit Weight: 3
Transcript Title: Concurrent Programming
Calendar Title: Concurrent Programming.
Description:
Characteristics and utility of concurrent programs; formal methods for specification, verification and development of concurrent programs; communications, synchronization, resource allocation and management, coherency and integrity.

Notes:
- 3 hours
- Prerequisites: COMP 251, COMP 302, and COMP 310 or ECSE 427

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 417
Credit Weight: 3
Transcript Title: Intro Robots&Intelligent Sys
Calendar Title: Introduction Robotics and Intelligent Systems.
Description:
This course considers issues relevant to the design of robotic and of intelligent systems. How can robots move and interact. Robotic hardware systems. Kinematics

Notes:
3 hours

Prerequisites: COMP 251, MATH 223 and (ECSE 321 or COMP 206).

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 421
Credit Weight: 3
Transcript Title: Database Systems
Calendar Title: Database Systems.

Description:
Database Design: conceptual design of databases (e.g., entity-relationship model), relational data model, functional dependencies. Database Manipulation: relational algebra, SQL, database application programming, triggers, access control. Database Implementation: transactions, concurrency control, recovery, query execution and query optimization.

Notes:
3 hours

Prerequisites: COMP 206, COMP 251, COMP 302

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 424
Credit Weight: 3
Transcript Title: Artificial Intelligence
Calendar Title: Artificial Intelligence.

Description:
Introduction to search methods. Knowledge representation using logic and probability. Planning and decision making under uncertainty. Introduction to machine learning.

Notes:
3 hours

Prerequisites: (COMP 206 or ECSE 321), MATH 323 or equivalent and COMP 251.
Restriction: Not open to students who have taken or are taking ECSE 526.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 445
Credit Weight: 3
Transcript Title: Computational Linguistics
Calendar Title: Computational Linguistics.

Description:
Introduction to foundational ideas in computational linguistics and natural language processing. Topics include formal language theory, probability theory, estimation and inference, and recursively defined models of language structure. Emphasis on both the mathematical foundations of the field as well as how to use these tools to understand human language.

Notes:
Prerequisite(s): COMP 250 and MATH 240, or permission of instructor.
Restriction: Not open to students who have taken or are taking LING 445.
Students who are taking or have taken both COMP 330 and COMP 424 are advised to
take COMP 550 in place of COMP 445/LING 445.
This is a double-prefix course and is identical in content with LING 445.
Some background in linguistics at the level of LING 201 is desirable, though not critical.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 451
Credit Weight: 3
Transcript Title: Fundls of Machine Learning
Calendar Title: Fundamentals of Machine Learning.
Description:
Notes:
Prerequisite: COMP 251, MATH 222, MATH 223, and MATH 323.
Restriction: Not open to students who are taking or have taken COMP 551.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 462
Credit Weight: 3
Transcript Title: Computational Biology Methods
Calendar Title: Computational Biology Methods.
Description:
Application of computer science techniques to problems arising in biology and medicine, techniques for modeling evolution, aligning molecular sequences, predicting structure of a molecule and other problems from computational biology.
Notes:
3 hours
Prerequisites: COMP 251, and MATH 323 or MATH 203 or BIOL 309
Restriction: Not open to students who have taken or are taking COMP 561.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 480
Credit Weight: 3
Transcript Title: Indep Studies in Comp Sci
Calendar Title: Independent Studies in Computer Science.
Description:
Reading course permitting independent study under the supervision of a faculty member who specializes in a subject where no course is available.
Notes:
Restrictions: Approval must be obtained from the Course Coordinator before registration.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 511
Credit Weight: 4
Transcript Title: Network Science
Calendar Title: Network Science.
Description:
Selected topics in Network Science, Graph Mining and Graph Learning, including patterns in real world networks, ranking and similarity measures for graphs, graph clustering and community mining techniques, and node classification and link prediction methods.

Notes:
Prerequisites: COMP 251 or equivalent, MATH 223
Restrictions: Not open to students who took COMP 596 in Fall 2019, Fall 2020 or COMP 599 in Fall 2021, Fall 2022.
1. Students are recommended to have taken MATH 222, COMP 451 or COMP 551.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 512
Credit Weight: 4
Transcript Title: Distributed Systems
Calendar Title: Distributed Systems.

Description:
Models and Architectures. Application-oriented communication paradigms (e.g. remote method invocation, group communication). Naming services. Synchronization (e.g. mutual exclusion, concurrency control). Fault-tolerance (e.g. process and replication, agreement protocols). Distributed file systems. Security. Examples of distributed systems (e.g. Web, CORBA). Advanced Topics.

Notes:
4 hours
Prerequisites: COMP 310, COMP 251 or equivalent.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 513
Credit Weight: 4
Transcript Title: Advanced Computer Systems
Calendar Title: Advanced Computer Systems.

Description:
Selected topics in computer systems, including modularity and abstraction, layering, advanced operating systems design, performance measurements, fault tolerance, energy efficiency, and data center systems. Methods include class discussions, critique of classic and state-of-the-art papers, oral presentations and a group project. Emphasis on methods and practices for design of real systems.

Notes:
Prerequisites: COMP 310 or ECSE 427
Restrictions: Not open to students who have taken COMP 596 in Fall 2021.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 514
Credit Weight: 4
Transcript Title: Applied Robotics
Calendar Title: Applied Robotics.

Description:
The approach and the challenges in the key components of manipulators and locomotors: representations, kinematics, dynamics, rigid-body chains, redundant systems, under-actuated systems, control, planning, and perception. Practical
aspects of robotics: collisions, integrating sensory feedback, and real-time software development.

Notes:
Prerequisites: MATH 223, MATH 323, COMP 206, and COMP 250, or equivalents.
Restrictions: Not open to students who have taken COMP 597 when the topic was "Applied Robotics".
Students should be comfortable with C++ (such as from COMP 322) and a Unix-like programming environment.

Administrating Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 520
Credit Weight: 4
Transcript Title: Compiler Design
Calendar Title: Compiler Design.
Description:

Notes:
3 hours, 1 hour consultation
Prerequisites: COMP 273 and COMP 302

Administrating Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 521
Credit Weight: 4
Transcript Title: Modern Computer Games
Calendar Title: Modern Computer Games.
Description:
Genre and history of games, basic game design, storytelling and narrative analysis, game engines, design of virtual worlds, real-time 2D graphics, game physics and physical simulation, pathfinding and game AI, content generation, 3D game concerns, multiplayer and distributed games, social issues.

Notes:
4 hours
Prerequisite: COMP 251, MATH 223 and (COMP 303 or COMP 361).

Administrating Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 523
Credit Weight: 3
Transcript Title: Language-based Security
Calendar Title: Language-based Security.
Description:
State-of-the-art language-based techniques for enforcing security policies in distributed computing environments. Static techniques (such as type- and proof-checking technology), verification of security policies and applications such as proof-carrying code, certifying compilers, and proof-carrying authentication.

Notes:
3 hours
Prerequisites: COMP 302, COMP 330.
Administering Faculty: Faculty of Science  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 525  
Credit Weight: 3  
Transcript Title: Formal Verification  
Calendar Title: Formal Verification.  
Description: Propositional logic - syntax and semantics, temporal logic, other modal logics, model checking, symbolic model checking, binary decision diagrams, other approaches to formal verification.  
Notes: 3 hours  
Prerequisites: COMP 251 and COMP 330.

COMP 527  
Credit Weight: 3  
Transcript Title: Logic and Computation  
Calendar Title: Logic and Computation.  
Description: Introduction to modern constructive logic, its mathematical properties, and its numerous applications in computer science.  
Notes: 3 hours  
Prerequisite: COMP 302  
Restriction: Not open to students who have taken COMP 426

COMP 529  
Credit Weight: 4  
Transcript Title: Software Architecture  
Calendar Title: Software Architecture.  
Description: Development, analysis, and maintenance of software architectures, with special focus on modular decomposition and reverse engineering.  
Notes: 4 hours  
Prerequisite: COMP 303.

COMP 531  
Credit Weight: 3  
Transcript Title: Advanced Theory of Computation  
Calendar Title: Advanced Theory of Computation.  

Notes:
3 hours

Prerequisite: COMP 330

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 532
Credit Weight: 4
Transcript Title: Propositional Proof Complexity
Calendar Title: Propositional Proof Complexity.
Description:
Propositional proof systems and the complexity of NP. Introduction to various Boolean, Algebraic, and Semi-Algebraic proof systems and the complexity of their proofs. Techniques for upper and lower bounding complexity measures of proofs such as length and depth. Relationships between proof systems and algorithms in SAT solving and optimization. Connections between proof systems and other areas of complexity theory and theoretical computer science.

Notes:
Prerequisites: MATH 240, COMP 330 or COMP 360

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 533
Credit Weight: 3
Transcript Title: Model-Driven Software Develop.
Calendar Title: Model-Driven Software Development.
Description:
Model-driven software development; requirements engineering based on use cases and scenarios; object-oriented modelling using UML and OCL to establish complete and precise analysis and design documents; mapping to Java. Introduction to meta-modelling and model transformations, use of modelling tools.

Notes:
3 hours

Prerequisite: ECSE 321 or COMP 303 or COMP 361

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 535
Credit Weight: 4
Transcript Title: Computer Networks
Calendar Title: Computer Networks 1.
Description:
Fundamental design principles, elements, and protocols of computer networks, focusing on the current Internet. Topics include: layered architecture, direct link networks, switching and forwarding, bridge routing, congestion control, end-to-end protocols application of DNS, HTTP, P2P, fair queuing, performance modeling and analysis.

Notes:
3 hours

Prerequisite: COMP 310 or ECSE 427

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 540
Credit Weight: 4
Transcript Title: Matrix Computations
Calendar Title: Matrix Computations.
Description: Designing and programming reliable numerical algorithms. Stability of algorithms and condition of problems. Reliable and efficient algorithms for solution of equations, linear least squares problems, the singular value decomposition, the eigenproblem and related problems. Perturbation analysis of problems. Algorithms for structured matrices.
Notes:
3 hours
Prerequisite: MATH 327 or COMP 350

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 545
Credit Weight: 4
Transcript Title: NatrlLang Undrst with DeepLrng
Calendar Title: Natural Language Understanding with Deep Learning.
Description: Neural network-based methods for natural language understanding (NLU) and computational semantics. Continuous representations for words, phrases, sentences, and discourse, and their connection to formal semantics. Practical and ethical considerations in applications such as text classification, question answering, and conversational assistants.
Notes:
Prerequisites (COMP 345 or LING 345) and (COMP 445 or LING 445) or COMP 550 or COMP 551 (or equivalent).

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 546
Credit Weight: 4
Transcript Title: Computational Perception
Calendar Title: Computational Perception.
Description: Computational models of visual perception and audition. Vision problems include stereopsis, motion, focus, perspective, color. Audition problems include source localization and recognition. Emphasis on physics of image formation, sensory signal processing, neural pathways and computation, psychophysical methods.
Notes:
3 hours
Restrictions: Not open to students who have taken COMP 646.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 547
Credit Weight: 4
Transcript Title: Cryptography & Data Security
Calendar Title: Cryptography and Data Security.
Description:
This course presents an in-depth study of modern cryptography and data security. The basic information theoretic and computational properties of classical and modern cryptographic systems are presented, followed by a cryptanalytic examination of several important systems. We will study the applications of cryptography to the security of systems.

Notes:
3 hours
Prerequisites: COMP 360 or COMP 362, MATH 323.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 549
Credit Weight: 3
Transcript Title: Brain-Inspired AI
Calendar Title: Brain-Inspired Artificial Intelligence.
Description:
Overview of the influence of neuroscience and psychology on Artificial Intelligence (AI). Historical topics: perceptrons, the PDP framework, Hopfield nets, Boltzmann and Helmholtz machines, and the behaviourist origins of reinforcement learning. Modern topics: deep learning, attention, memory and consciousness. Emphasis on understanding the interdisciplinary foundations of modern AI.

Notes:
Prerequisites: MATH 222, MATH 223, and MATH 323; or equivalents.
Restrictions: Not open to students who have taken COMP 596 when the topic was "Brain-Inspired Artificial Intelligence".

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 550
Credit Weight: 3
Transcript Title: Natural Language Processing
Calendar Title: Natural Language Processing.
Description:
An introduction to the computational modelling of natural language, including algorithms, formalisms, and applications. Computational morphology, language modelling, syntactic parsing, lexical and compositional semantics, and discourse analysis. Selected applications such as automatic summarization, machine translation, and speech processing. Machine learning techniques for natural language processing.

Notes:
Prerequisite(s): MATH 323 or ECSE 305, COMP 251 or COMP 252
Restriction(s): Not open to students who have taken COMP 599 in 201509 or 201609.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 551
Credit Weight: 4
Transcript Title: Applied Machine Learning
Calendar Title: Applied Machine Learning.
Description:
Selected topics in machine learning and data mining, including clustering, neural
networks, support vector machines, decision trees. Methods include feature selection and dimensionality reduction, error estimation and empirical validation, algorithm design and parallelization, and handling of large data sets. Emphasis on good methods and practices for deployment of real systems.

Notes:
Prerequisite(s): MATH 323 or ECSE 205, COMP 202, MATH 133, MATH 222 (or their equivalents).
Restriction(s): Not open to students who have taken or are taking COMP 451, ECSE 551, or PSYC 560.
Some background in Artificial Intelligence is recommended, e.g. COMP-424 or ECSE-526, but not required.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 552
Credit Weight: 4
Transcript Title: Combinatorial Optimization
Calendar Title: Combinatorial Optimization.
Description:
Algorithmic and structural approaches in combinatorial optimization with a focus upon theory and applications. Topics include: polyhedral methods, network optimization, the ellipsoid method, graph algorithms, matroid theory and submodular functions.
Notes:
4 hours
Prerequisite: Math 350 or COMP 362 (or equivalent).
Restriction: This course is reserved for undergraduate honours students and graduate students. Not open to students who have taken or are taking MATH 552.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 553
Credit Weight: 4
Transcript Title: Algorithmic Game Theory
Calendar Title: Algorithmic Game Theory.
Description:
Notes:
Prerequisite: COMP 362 or MATH 350 or MATH 454 or MATH 487, or instructor permission
Restriction: Not open to students who are taking or have taken MATH 553

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 554
Credit Weight: 4
Transcript Title: Approximation Algorithms
Calendar Title: Approximation Algorithms.
Description:
The theory and application of approximation algorithms. Topics include: randomized algorithms, network optimization, linear programming and semi definite programming techniques, the game theoretic method, the primal-dual method, and metric
embeddings.

Notes:
Prerequisites: COMP 362 or MATH 350 or permission of instructor. Strong background in algorithms and/or mathematics.
Restriction: Not open to students who have taken COMP 692

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 555
Credit Weight: 4
Transcript Title: Software Privacy
Calendar Title: Software Privacy.
Description:
Notes:
Prerequisite: COMP 303
Restrictions: Not open to students who have taken COMP 599 when the topic was "Topics in Mobile Application Development".

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 557
Credit Weight: 4
Transcript Title: Fundamentals of Comp. Graphics
Calendar Title: Fundamentals of Computer Graphics.
Description:
Fundamental mathematical, algorithmic and representational issues in computer graphics: overview of graphics pipeline, homogeneous coordinates, projective transformations, line-drawing and rasterization, hidden surface removal, surface modelling (quadrics, bicubics, meshes), rendering (lighting, reflectance models, ray tracing, texture mapping), compositing colour perception, and other selected topics.
Notes:
3 hours
Prerequisite: MATH 222, MATH 223, COMP 250, COMP 206
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 558
Credit Weight: 4
Transcript Title: Fund. of Computer Vision
Calendar Title: Fundamentals of Computer Vision.
Description:
Image filtering, edge detection, image features and histograms, image segmentation, image motion and tracking, projective geometry, camera calibration, homographies, epipolar geometry and stereo, point clouds and 3D registration. Applications in computer graphics and robotics.
Notes:
3 hours
Prerequisites: COMP 251, MATH 222, MATH 223
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 559
Credit Weight: 4
Transcript Title: Fund. Computer Animation
Calendar Title: Fundamentals of Computer Animation.
Description: Fundamental mathematical and computational issues in computer animation with a focus on physics based simulation: overview of numerical integration methods, accuracy and absolute stability, stiff systems and constraints, rigid body motion, collision detection and response, friction, deformation, stable fluid simulation, use of motion capture, and other selected topics.
Notes: Prerequisite(s): MATH 222, MATH 223, COMP 206, COMP 250

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 561
Credit Weight: 4
Transcript Title: Comp. Biol. Methods & Research
Calendar Title: Computational Biology Methods and Research.
Description: Application of computer science techniques to problems arising in biology and medicine, techniques for modeling evolution, aligning molecular sequences, predicting structure of a molecule and other problems from computational biology. An in-depth exploration of key research areas.
Notes: 4 hours
Prerequisites: COMP 251, and MATH 323 or MATH 203 or BIOL 309
Restriction: Not open to students who have taken or are taking COMP 462.
Note: Additional work will consist of assignments and of a substantial final project that will require to put in practice the concepts covered in the course.

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 562
Credit Weight: 4
Transcript Title: Theory of Machine Learning
Calendar Title: Theory of Machine Learning.
Description: Concentration inequalities, PAC model, VC dimension, Rademacher complexity, convex optimization, gradient descent, boosting, kernels, support vector machines, regression and learning bounds. Further topics selected from: Gaussian processes, online learning, regret bounds, basic neural network theory.
Notes: Prerequisites: MATH 462 or COMP 451 or (COMP 551, MATH 222, MATH 223 and MATH 324) or ECSE 551.
Restrictions: Not open to students who have taken or are taking MATH 562. Not open to students who have taken COMP 599 when the topic was "Statistical Learning Theory" or "Mathematical Topics for Machine Learning". Not open to students who have taken COMP 598 when the topic was "Mathematical Foundations of Machine Learning".
**COMP 564**

**Credit Weight:** 3  
**Transcript Title:** Adv Comput'l Bio Meth&Research  
**Calendar Title:** Advanced Computational Biology Methods and Research.  
**Description:**  
Fundamental concepts and techniques in computational structural biology, system biology. Techniques include dynamic programming algorithms for RNA structure analysis, molecular dynamics and machine learning techniques for protein structure prediction, and graphical models for gene regulatory and protein-protein interaction networks analysis. Practical sessions with state-of-the-art software.  
**Notes:**  
3 hours  
Prerequisite: COMP 462.  
Corequisite(s): COMP 462 or COMP 561

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Computer Science  
**Status (catalog level):** Active

**COMP 565**

**Credit Weight:** 4  
**Transcript Title:** ML in Genomics & Healthcare  
**Calendar Title:** Machine Learning in Genomics and Healthcare.  
**Description:**  
**Notes:**  
Prerequisites: (BIOL 202 or BIOL 302) and MATH 324 and (COMP 451 or COMP 551), or equivalents.  
Restrictions: Not open to students who have taken COMP 597 or COMP 598 when the topic was "Machine Learning in Genomics and Healthcare".

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Computer Science  
**Status (catalog level):** Active

**COMP 566**

**Credit Weight:** 3  
**Transcript Title:** Discrete Optimization 1  
**Calendar Title:** Discrete Optimization 1.  
**Description:**  
**Notes:**  
3 hours  
Prerequisites: COMP 360 and MATH 223

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Computer Science  
**Status (catalog level):** Active
COMP 567
Credit Weight: 3
Transcript Title: Discrete Optimization 2
Calendar Title: Discrete Optimization 2.
Description:
Formulation, solution and applications of integer programs. Branch and bound, cutting plane, and column generation algorithms. Combinatorial optimization. Polyhedral methods. A large emphasis will be placed on modelling. Students will select and present a case study of an application of integer programming in an area of their choice.
Notes:
3 hours
Prerequisites: COMP 566 or MATH 417
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 579
Credit Weight: 4
Transcript Title: Reinforcement Learning
Calendar Title: Reinforcement Learning.
Description:
Bandit algorithms, finite Markov decision processes, dynamic programming, Monte-Carlo Methods, temporal-difference learning, bootstrapping, planning, approximation methods, on versus off policy learning, policy gradient methods temporal abstraction and inverse reinforcement learning.
Notes:
Prerequisite: A university level course in machine learning such as COMP 451 or COMP 551. Background in calculus, linear algebra, probability at the level of MATH 222, MATH 223, MATH 323, respectively.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 585
Credit Weight: 4
Transcript Title: Intelligent Software Systems
Calendar Title: Intelligent Software Systems.
Description:
Practical aspects of building software systems with machine learning components: requirements, design, delivery, quality assessment, and collaboration. Consideration of a user-centered mindset in development; integration of design and development considerations relevant to artificial intelligence, such as security, privacy, and fairness.
Notes:
Prerequisites: COMP 303, COMP 424 or COMP 551
Restrictions: Not open to students who have taken COMP 598 or COMP 599 when the topic was "Software Engineering for Building Intelligent Systems".
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 588
Credit Weight: 4
Transcript Title: Probabilistic Graphical Models
Calendar Title: Probabilistic Graphical Models.
Description: Representation, inference and learning with graphical models; directed and undirected graphical models; exact inference; approximate inference using deterministic optimization based methods, stochastic sampling based methods; learning with complete and partial observations.
Notes: Prerequisites: COMP 251, MATH 323, MATH 324; or equivalents. Restrictions: Not open to students who have taken COMP 766 or COMP 767 when the topic was "Probabilistic Graphical Models". A background in AI (COMP 424) and machine learning (COMP 451 or COMP 551) is highly recommended.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 596
Credit Weight: 3
Transcript Title: Topics in Computer Science 3
Calendar Title: Topics in Computer Science 3.
Description: Topics in computer science.
Notes: Prerequisite: Permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 597
Credit Weight: 4
Transcript Title: Topics in Computer Science 4
Calendar Title: Topics in Computer Science 4.
Description: Topics in computer science.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 598
Credit Weight: 3
Transcript Title: Topics in Computer Science 1
Calendar Title: Topics in Computer Science 1.
Description: Topics in computer science.
Notes: 3 hours
Prerequisite: Permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 599
Credit Weight: 4
Transcript Title: Topics in Computer Science 2
Calendar Title: Topics in Computer Science 2.
Description:
Topics in computer science.

Notes:
3 hours

Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active

COMP 601
Credit Weight: 2
Transcript Title: Thesis Literature Review
Calendar Title: Thesis Literature Review.
Description:
Review of relevant literature in preparation for the M.Sc. research. This includes regular attendance of the Colloquium organized by the School of Computer Science.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 601D1
Credit Weight: 1
Transcript Title: Thesis Literature Review
Calendar Title: Thesis Literature Review.
Description:
Special topics in computer science.

Notes:
2 per term
Restriction: Computer Science students
Students must register for both COMP 601D1 and COMP 601D2
No credit will be given for this course unless both COMP 601D1 and COMP 601D2 are successfully completed in consecutive terms
COMP 601D1 and COMP 601D2 together are equal to COMP 601.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 601D2
Credit Weight: 1
Transcript Title: Thesis Literature Review
Calendar Title: Thesis Literature Review.
Description:
See COMP 601D1 for course description.

Notes:
Prerequisite: COMP 601D1
No credit will be given for this course unless both COMP 601D1 and COMP 601D2 are successfully completed in consecutive terms
COMP 601D1 and COMP 601D2 together are equal to COMP 601.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 601N1
Credit Weight: 1
Transcript Title: Thesis Literature Review
Calendar Title: Thesis Literature Review.
Description:
Special topics in computer science.

**Notes:**
Students must also register for COMP 601N2
No credit will be given for this course unless both COMP 601N1 and COMP 601N2 are successfully completed in a twelve month period
COMP 601N1 and COMP 601N2 together are equal to COMP 601.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 601N2**

**Credit Weight:** 1

**Transcript Title:** Thesis Literature Review

**Calendar Title:** Thesis Literature Review.

**Description:**
See COMP 601N1 for course description.

**Notes:**
Prerequisite: COMP 601N1
No credit will be given for this course unless both COMP 601N1 and COMP 601N2 are successfully completed in a twelve month period
COMP 601N1 and COMP 601N2 together are equal to COMP 601.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 602**

**Credit Weight:** 1

**Transcript Title:** Computer Science Seminar 1

**Calendar Title:** Computer Science Seminar 1.

**Description:**
Exposure to ongoing research directions in computer science through regular attendance of the research colloquium organized by the School of Computer Science.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 603**

**Credit Weight:** 1

**Transcript Title:** Computer Science Seminar 2

**Calendar Title:** Computer Science Seminar 2.

**Description:**
Exposure to ongoing research directions in computer science through regular attendance of the research colloquium organized by the School of Computer Science.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 604**

**Credit Weight:** 1

**Transcript Title:** Graduate School Fundamentals

**Calendar Title:** Graduate School Fundamentals.

**Description:**
Introduction to fundamental skills in computer science. Research and communication skills; teamwork in a research group; integrity, diversity and ethics; career paths.

**Administering Faculty:** Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 610
Credit Weight: 4
Transcript Title: Information Structures 1
Calendar Title: Information Structures 1.
Description:
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 611
Credit Weight: 4
Transcript Title: Mathematical Tools for CompSci
Calendar Title: Mathematical Tools for Computer Science.
Description:
Introduction to mathematical concepts important across computer science, how to think mathematically, and how to write proofs. Proof techniques such as induction, contradiction, and monovariants; topics in combinatorics, graph theory, algebra, analysis, and probability; mathematical analysis of algorithms, data structures, and computational complexity. Emphasis on the mathematical explanations for useful concepts.
Notes:
Restrictions: Not open to students who have majored in Mathematics or an equivalent subject, or have taken a proof-based math or computer science course within the previous two years.
Not open to students who have taken COMP 761 when the topic was "Mathematical Tools for Computer Science".
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 614
Credit Weight: 4
Transcript Title: Distributed Data Management
Calendar Title: Distributed Data Management.
Description:
Architecture and examples of distributed information systems (e.g., federated databases, component systems, web databases). Data consistency (consistency models, advanced transaction models, advanced concurrency control, distributed recovery). Data replication and caching. Distribution queries, Schema Integration. Advanced Topics.
Notes:
Prerequisites: COMP 421 and one of COMP 435 or COMP 535 or COMP 512, or equivalent.
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active
COMP 616D1
Credit Weight: 1.5
Transcript Title: Bioinformatics Seminar
Calendar Title: Bioinformatics Seminar.
Description:
Introduction to current trends in Bioinformatics and closely related fields such as genomics and proteomics.

Notes:
Restrictions: This seminar is restricted to graduate students in the Bioinformatics Option. Enrolment is limited to 30 students.
Note: The seminar will meet for 3 hours every second week over Fall and Winter semesters.
Students must register for both COMP 616D1 and COMP 616D2.
No credit will be given for this course unless both COMP 616D1 and COMP 616D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 616D2
Credit Weight: 1.5
Transcript Title: Bioinformatics Seminar
Calendar Title: Bioinformatics Seminar.
Description:
See COMP 616D1 for description.

Notes:
Prerequisite: COMP 616D1.
No credit will be given for this course unless both COMP 616D1 and COMP 616D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 616N1
Credit Weight: 1.5
Transcript Title: Bioinformatics Seminar
Calendar Title: Bioinformatics Seminar.
Description:
Introduction to current trends in Bioinformatics and closely related fields such as genomics and proteomics.

Notes:
Students must register for both COMP 616N1 and COMP 616N2.
No credit will be given for this course unless both COMP 616N1 and COMP 616N2 are successfully completed in a twelve month period.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 616N2
Credit Weight: 1.5
Transcript Title: Bioinformatics Seminar
Calendar Title: Bioinformatics Seminar.
Description:
See COMP 616N1 for course description.

Notes:
Prerequisite: COMP 616N1
No credit will be given for this course unless both COMP 616N1 and COMP 616N2 are successfully completed in a twelve month period

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 618
Credit Weight: 3
Transcript Title: Bioinformatics: Funct Genomics
Calendar Title: Bioinformatics: Functional Genomics.
Description:
Techniques related to microarrays (normalization, differential expression, class prediction, class discovery), the analysis of non-coding sequence data (identification of transcription factor binding sites), single nucleotide polymorphisms, the inference of biological networks, and integrative Bioinformatics approaches.
Notes:
Prerequisite: Enrolment in Bioinformatics Option Program or permission of coordinators.
Restrictions: Enrolment by students in the Bioinformatics Option Program or by permission of course coordinators only. Computer Science graduate students not in the Bioinformatics Option Program need additional permission of the M.Sc. or Ph.D. Committee respectively.
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 621
Credit Weight: 4
Transcript Title: Prog. Analysis&Transformations
Calendar Title: Program Analysis and Transformations.
Description:
Program analysis and transformations are used in optimizing compilers and other automatic tools such as bug-finders, verification tools and software engineering applications. Course topics include the design of intermediate representations, control flow analysis, data flow analysis at both the intra- and inter-procedural level and program transformations for performance improvement.
Notes:
3 hours
Prerequisite: COMP 251 or equivalent, COMP 302 or equivalent, COMP 520 is useful but not strictly necessary
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 642
Credit Weight: 4
Transcript Title: Numerical Estimation Methods
Calendar Title: Numerical Estimation Methods.
Description:
Notes:
(4 hours)
Prerequisites: MATH 323, MATH 324 and COMP 350

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 647**

**Credit Weight:** 4

**Transcript Title:** Advanced Cryptography

**Calendar Title:** Advanced Cryptography.

**Description:**
Information theoretic definitions of security, zero-knowledge protocols, secure function evaluation protocols, cryptographic primitives, privacy amplification, error correction, quantum cryptography, quantum cryptanalysis.

**Notes:**
3 hours

Prerequisite: COMP 547

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 649**

**Credit Weight:** 4

**Transcript Title:** Quantum Cryptography

**Calendar Title:** Quantum Cryptography.

**Description:**
Review of the basic notions of cryptography and quantum information theory. Quantum key distribution and its proof of security. Quantum encryption, error-correcting codes and authentication. Quantum bit commitment, zero-knowledge and oblivious transfer. Multiparty quantum computations.

**Notes:**
Prerequisite: COMP 547 and permission of the instructor.

Restriction: An introduction to notions of Information Theory is required.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 652**

**Credit Weight:** 4

**Transcript Title:** Machine Learning

**Calendar Title:** Machine Learning.

**Description:**
An overview of state-of-the-art algorithms used in machine learning, including theoretical properties and practical applications of these algorithms.

**Notes:**
Prerequisites: COMP 424, COMP 526 or ECSE 526, COMP 360, MATH 323 or ECSE 305.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Computer Science

**Status (catalog level):** Active

**COMP 654**

**Credit Weight:** 4

**Transcript Title:** Graph Representation Learning

**Calendar Title:** Graph Representation Learning.

**Description:**
Machine learning with graph-structured data. Introductions to spectral graph
theory, graph signal processing, graph convolutions, graph neural networks, and the logic of graphs.

Notes:
Prerequisites: MATH 222, MATH 223, COMP 360, COMP 451 or COMP551, or equivalents. Restriction: Not open to students who have taken COMP 766 when the topic was "Graph Representation Learning".

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 655
Credit Weight: 4
Transcript Title: Distributed Simulation
Calendar Title: Distributed Simulation.
Description:
Conservative and optimistic synchronization involved in executing a discrete event simulation on a distributed platform (e.g. cluster of workstations, shared memory multiprocessor). Focus is on efficiency, strengths and limitations of the different approaches. Applications to large simulations (networks, VLSI, virtual environments).

Notes:
Prerequisite: COMP 310 or equivalent.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 667
Credit Weight: 4
Transcript Title: Software Fault Tolerance
Calendar Title: Software Fault Tolerance.
Description:
Software fault tolerance, concepts and implementation. Failure classification; information and time redundancy; forward and backward error recovery; error confinement; idealized fault-tolerant component; sequential and concurrent systems; exception handling; transactions and atomic actions; voting; design diversity. Case studies.

Notes:
Prerequisite: COMP 409 or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 680
Credit Weight: 4
Transcript Title: Mining Biological Sequences
Calendar Title: Mining Biological Sequences.
Description:

Notes:
Prerequisite: COMP 462 or with instructor's permission.

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 685
Credit Weight: 4
Transcript Title: Mchn Lrng Appl to Climate Chng
Calendar Title: Machine Learning Applied to Climate Change.
Description: Applications of machine learning in fighting climate change, including use cases in electricity systems, buildings, transportation, agriculture and other land use, disaster response, and other areas. Review of recent research literature, with emphasis on when machine learning is relevant and helpful, and how to go about scoping, developing, and deploying a project so that it has the intended impact.
Notes: 1. This course is aimed at graduate students with at least some prior experience in machine learning and ability to read and assimilate research literature across many areas of machine learning. Prior experience with climate change-related topics is not required, but willingness to learn about these topics is.
Administrating Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 689
Credit Weight: 15
Transcript Title: Internship in Computer Science
Calendar Title: Internship in Computer Science.
Description: Four month internship in a company or organization, to give experience with industrial practices in computer science, data science or software engineering.
Notes: Student must have taken at least four complementary courses within the program before taking the internship course. The student will work with both an industrial and academic supervisor to ensure alignment both with the company or organization needs and with the academic goals, namely suitability for the M.Sc. level.
Administrating Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 690
Credit Weight: 4
Transcript Title: Probabilistic Anal of Algor
Calendar Title: Probabilistic Analysis of Algorithms.
Notes: 3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 691
Credit Weight: 3
Transcript Title: Thesis Research 1  
Calendar Title: Thesis Research 1.  
Description:  
Ongoing research pertaining to thesis.  
Notes:  
Restriction: Computer Science students  
Administering Faculty: Graduate Studies  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 693  
Credit Weight: 3  
Transcript Title: Research Project 1  
Calendar Title: Research Project 1.  
Description:  
Ongoing research pertaining to project.  
Notes:  
Restriction: Computer Science students  
Administering Faculty: Graduate Studies  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 694  
Credit Weight: 6  
Transcript Title: Research Project 2  
Calendar Title: Research Project 2.  
Description:  
Ongoing research pertaining to project.  
Notes:  
Restriction: Computer Science students  
Administering Faculty: Graduate Studies  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 695  
Credit Weight: 6  
Transcript Title: Research Project 3  
Calendar Title: Research Project 3.  
Description:  
Ongoing research pertaining to project.  
Notes:  
Restriction: Computer Science students  
Administering Faculty: Graduate Studies  
Teaching Department: Computer Science  
Status (catalog level): Active

COMP 696  
Credit Weight: 3  
Transcript Title: Thesis Research 2  
Calendar Title: Thesis Research 2.  
Description:  
Ongoing research pertaining to thesis.  
Notes:  
Restriction: Computer Science students  
Administering Faculty: Graduate Studies  
Teaching Department: Computer Science
Status (catalog level): Active

COMP 697
Credit Weight: 4
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Ongoing research pertaining to thesis.
Notes: Restriction: Computer Science students
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 698
Credit Weight: 10
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Ongoing research pertaining to thesis.
Notes: Restriction: Computer Science students
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 699
Credit Weight: 12
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Ongoing research pertaining to thesis.
Notes: Restriction: Computer Science students
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 700
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 700D1
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to
continue in the doctoral program.

Notes:
Students must register for both COMP 700D1 and COMP 700D2
No credit will be given for this course unless both COMP 700D1 and COMP 700D2 are successfully completed in consecutive terms
COMP 700D1 and COMP 700D2 together are equivalent to COMP 700

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 700D2
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description:
See COMP 700D1 for course description.
Notes:
Prerequisite: COMP 700D1
No credit will be given for this course unless both COMP 700D1 and COMP 700D2 are successfully completed in consecutive terms
COMP 700D1 and COMP 700D2 together are equivalent to COMP 700

Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 701
Credit Weight: 3
Transcript Title: Thesis Proposal and Area Exam
Calendar Title: Thesis Proposal and Area Examination.
Description:
Submission of doctorate thesis proposal and examination that assesses the student's breadth of knowledge in the research area.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 760
Credit Weight: 4
Transcript Title: Advanced Topics Theory 1
Calendar Title: Advanced Topics Theory 1.
Description:
Advanced topics in theory related to computer science.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 761
Credit Weight: 4
Transcript Title: Advanced Topics Theory 2
Calendar Title: Advanced Topics Theory 2.
Description:
Advanced topics in theory related to computer science.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 762
Credit Weight: 4
Transcript Title: Advanced Topics Programming 1
Calendar Title: Advanced Topics Programming 1.
Description: Advanced topics in programming.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 763
Credit Weight: 4
Transcript Title: Advanced Topics Programming 2
Calendar Title: Advanced Topics Programming 2.
Description: Advanced topics in programming.
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 764
Credit Weight: 4
Transcript Title: Advanced Topics Systems 1
Calendar Title: Advanced Topics Systems 1.
Description: Advanced topics in computing systems.
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 765
Credit Weight: 4
Transcript Title: Advanced Topics Systems 2
Calendar Title: Advanced Topics Systems 2.
Description: Advanced topics in computing systems.
Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 766
Credit Weight: 4
Transcript Title: Advanced Topics Application 1
Calendar Title: Advanced Topics Applications 1.
Description: Advanced topics in computing systems.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Computer Science
Status (catalog level): Active

COMP 767
Credit Weight: 4
Transcript Title: Adv Topics: Applications 2  
Calendar Title: Advanced Topics: Applications 2.  
Description:  
Advanced topics in computing systems.  
Administering Faculty: Graduate Studies  
Teaching Department: Computer Science  
Status (catalog level): Active
COMS 200
Credit Weight: 3
Transcript Title: History of Communication
Calendar Title: History of Communication.
Description:
The social and cultural implications of major developments in communications from prehistory to the electronic era. Thematic and conceptual introduction to the underlying media technologies and to some key issues and practices of historical thinking about their role in society.
Notes:
Restriction: Not open to students who have ENGC 200.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 210
Credit Weight: 3
Transcript Title: Intro to Communication Studies
Calendar Title: Introduction to Communication Studies.
Description:
The social and cultural implications of media. Surveys theory and case studies relevant key issues such as the ownership, structure and governance of media industries; the significance of emergent media technologies; and the roles of media as cultural forms and practices.
Notes:
Restriction: Not open to students who have taken ENGL 278 or ENGC 210
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 230
Credit Weight: 3
Transcript Title: Communication and Democracy
Calendar Title: Communication and Democracy.
Description:
Introduction to investigation of the relationship between communication, media practices and democracy. Examines the role of media and communication in existing and emerging democratic contexts, and the challenges of constructing and maintaining a democratic media and communication environment on the domestic and international levels.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 300
Credit Weight: 3
Transcript Title: Media and Modernity in 20th C
Calendar Title: Media and Modernity in the 20th Century.
Description:
An overview of the growth and impact of 20th century media such as radio, television, cinema and the mass-circulation press; their role in shaping the technological, socio-political and aesthetic dimensions of urban modernity.
Notes:
Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 301
Credit Weight: 3
Transcript Title: Core Concepts in Critic Theory
Calendar Title: Core Concepts in Critical Theory.
Description:
This course will survey foundational texts and thinkers in critical social theory, as they relate to the fields of media and communication studies. This will include core texts in Marxism, the Frankfurt School, public sphere theory, feminism, post-structuralism, post-colonialism and queer theory. The course will prepare students with key theoretical and conceptual vocabularies for advanced study in the field.
Notes:
Prerequisite(s): COMS 210 or COMS 230
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 301J1
Credit Weight: 1
Transcript Title: Core Concepts in Critic Theory
Calendar Title: Core Concepts in Critical Theory.
Description:
This course will survey foundational texts and thinkers in critical social theory, as they relate to the fields of media and communication studies. This will include core texts in Marxism, the Frankfurt School, public sphere theory, feminism, post-structuralism, post-colonialism and queer theory. The course will prepare students with key theoretical and conceptual vocabularies for advanced study in the field.
Notes:
Prerequisite(s): COMS 210 or COMS 230
Students must also register for COMS 301J2 and COMS 301J3
No credit will be given for this course unless COMS 301J1, COMS 301J2 and COMS 301J3 are equivalent to COMS 301
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 301J2
Credit Weight: 1
Transcript Title: Core Concepts in Critic Theory
Calendar Title: Core Concepts in Critical Theory.
Description:
This course will survey foundational texts and thinkers in critical social theory, as they relate to the fields of media and communication studies. This will include core texts in Marxism, the Frankfurt School, public sphere theory, feminism, post-structuralism, post-colonialism and queer theory. The course will prepare students with key theoretical and conceptual vocabularies for advanced study in the field.
Notes:
Prerequisite(s): COMS 310J1 and COMS 210 or COMS 230
Students must also register for COMS 301J3
No credit will be given for this course unless COMS 301J1, COMS 301J2 and COMS 301J3
COMS 301J1, COMS 301J2 and COMS 301J3 are equivalent to COMS 301

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 301J3
Credit Weight: 1
Transcript Title: Core Concepts in Critic Theory
Calendar Title: Core Concepts in Critical Theory.
Description:
This course will survey foundational texts and thinkers in critical social theory, as they relate to the fields of media and communication studies. This will include core texts in Marxism, the Frankfurt School, public sphere theory, feminism, post-structuralism, post-colonialism and queer theory. The course will prepare students with key theoretical and conceptual vocabularies for advanced study in the field.

Notes:
Prerequisite(s): COMS 310J2 and COMS 210 or COMS 230
No credit will be given for this course unless COMS 301J1, COMS 301J2 and COMS 301J3

COMS 301J1, COMS 301J2 and COMS 301J3 are equivalent to COMS 301

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 310
Credit Weight: 3
Transcript Title: Media and Feminist Studies
Calendar Title: Media and Feminist Studies.
Description:
Introduction to feminist studies of the media. Impact of feminist and queer theory on media studies; current issues about gender in the media. Emphasis will be placed on critical analysis of media representations of gender in relation to other social differences, such as race, class and sexuality.

Notes:
Prerequisite: One of the following: COMS 200, COMS 210, COMS 230, SDST 250, GSFS 200, PHIL 242 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 320
Credit Weight: 3
Transcript Title: Media and Empire
Calendar Title: Media and Empire.
Description:
The relationship between mass media and empire-building, as well as the role of mass and alternative media in anti-imperialism movements. Topics may include: Print technologies and the British Empire; shipping technologies, industrialization and the slave trade; new media and the anti-war and anti-globalization movements.

Notes:
Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 330
Credit Weight: 3
Transcript Title: Media in Cultural Life
Calendar Title: Media in Cultural Life.
Description: Introduction to a range of theories and qualitative methods in communication studies for the critical analysis of media practices in cultural life.
Notes: Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 340
Credit Weight: 3
Transcript Title: New Media
Calendar Title: New Media.
Description: Critical analysis of new media from cultural, philosophical, technological and institutional perspectives.
Notes: Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 350
Credit Weight: 3
Transcript Title: Sound Culture
Calendar Title: Sound Culture.
Description: Analysis of sound culture, including sonic and audiovisual media, sound art and architecture, sound in everyday life, sonic institutions and theoretical accounts of the role of sound in communication.
Notes: Prerequisite: One of the following: COMS 200, COMS 210, COMS 230 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 354
Credit Weight: 3
Transcript Title: Media Studies of Crime
Calendar Title: Media Studies of Crime.
Description: Critical analysis of the social construction of crime from the perspectives of its visual culture and representation in popular, historical and new media forms.
Notes: This course is sometimes cross-listed with ARTH 353 when taught as "Visual Culture of Crime" by Prof. Will Straw.
Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission
of the instructor.
Restriction: Not open to students who have taken or are taking ARTH 353 when
topic is "Visual Culture of Crime".

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 355
Credit Weight: 3
Transcript Title: Media Governance
Calendar Title: Media Governance.
Description:
Electronic communications systems such as broadcasting, cable, telephony, and the
Internet are vital public resources for social, economic, political, and cultural
interaction in modern life. This course introduces students to the political and
economic forces that govern policies about the flow of information, knowledge, and
ideas using such media systems.

Notes:
Prerequisites: Successful completion of COMS 210, COMS 200, or COMS 230.
Restrictions: Not open to students who have taken COMS 365.
Note: Combined lecture and seminar format. Language of instruction is English.
Maximum enrolment is 90.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 360
Credit Weight: 3
Transcript Title: Environmental Communication
Calendar Title: Environmental Communication.
Description:
A survey of contemporary approaches to communication, media and environment in the
field of communication studies. Focus on critical attention on media,
communication and knowledge practices concerning environmental information, issues
and controversies, as well as the environmental impacts of media technologies,
infrastructures and practices. Topics include public communication of science and
environmental information (journalism, governments; social movements), climate
change communication, media materialities and toxicities (energy, pollution,
waste), environmental racism and environmental justice, environment and
disability,

Notes:
Prerequisites: COMS 210 or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 361
Credit Weight: 3
Transcript Title: Selected Topics Comm Studies 1
Calendar Title: Selected Topics Communication Studies 1.
Description:
Study of a special field in media theory.

Notes:
Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission
of the instructor.
Topic will change depending upon term and instructor
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 362
Credit Weight: 3
Transcript Title: Selected Topics Comm Studies 2
Calendar Title: Selected Topics Communication Studies 2.
Description:
Study of a special field of critical inquiry into media and/or technological practices.
Notes:
Prerequisite: One of the following: COMS 200, COMS 210, or COMS 230 or permission of the instructor.
Topic will change depending upon term and instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 400
Credit Weight: 3
Transcript Title: Critical Theory Seminar
Calendar Title: Critical Theory Seminar.
Description:
This course builds on the foundations of critical social thought to engage students in intensive study of emerging and contemporary themes in social and cultural theory related to media and communication studies. Focus will be on current texts and debates of significance in the field, and will include prominent work in areas including political economy, feminism, gender and sexuality studies, postcolonial and critical race theory, radical democracy, environmentalism, and media and cultural studies.
Notes:
Prerequisite(s): COMS 301

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 410
Credit Weight: 3
Transcript Title: Cultures of Visualization
Calendar Title: Cultures in Visualization.
Description:
Analysis of imaging technologies in their cultural contexts. Focus on different traditions of visual representation through the investigation of artistic and scientific visualization practices.
Notes:
Prerequisites: One of the following 200-level courses: COMS 200, COMS 210, COMS 230 AND one of the following 300-level courses: COMS 300, COMS 310, COMS 320, COMS 330, COMS 340, COMS 350, COMS 354, COMS 361, COMS 362, COMS 365 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 411
Credit Weight: 3
Transcript Title: Disability, Tech&Communication
Calendar Title: Disability, Technology and Communication.

Description:
Explores communication, technology and culture from the perspective of disability. Topics may include identity, stigma, representation and art; design, access and accessibility; normalization and classification; contrasting models of disability; interfaces between bodies and technologies; the disabling dimensions of environments and technologies; disability policy and activism.

Notes:
Prerequisite(s): Any 200-level course in Communication Studies (COMS 2xx for 3 credits) AND any 300-level course in Communication Studies (COMS 3xx for 3 credits), or by the permission of the instructor.
Restrictions: Not open to students who have taken COMS 492 in 201109 or 201209.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 425
Credit Weight: 3
Transcript Title: Urban Culture & Everyday Life

Calendar Title: Urban Culture and Everyday Life.

Description:
Explores how popular and artistic cultural texts interrogate the dimensions of urban culture that shape everyday life, such as transnationalization/globalization; gentrification, migration and other displacements; the proliferation of mobile media and communication technologies; and the political mobilization of fear and anxiety about violence and terrorism.

Notes:
Prerequisites: One of the following 200-level courses: COMS 200, COMS 210, COMS 230 AND one of the following 300-level courses: COMS 300, COMS 310, COMS 320, COMS 330, COMS 340, COMS 350, COMS 354, COMS 361, COMS 362, COMS 365 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 435
Credit Weight: 3
Transcript Title: Adv Issues in Media Governance

Calendar Title: Advanced Issues in Media Governance.

Description:
This seminar examines current/emergent scholarship about policy debates and issues related to electronic media worldwide. Topics vary; they include but are not limited to Internet Governance, Electronic Privacy/Surveillance, Access to Information/Knowledge, Media Diversity, Community and Social Justice Media, Communication Rights and Freedom of Expression, and Civil Society Policy Advocacy.

Notes:
Prerequisites: Successful completion of COMS 200, COMS 210 or COMS 230.
Restrictions: Not open to students who have taken COMS 493.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 490
Credit Weight: 3
Transcript Title: SpTopics:Hist&Theory of Media

Calendar Title: Special Topics in History and Theory of Media.
Description:
Emergent themes in media history and media theory, and their application to current issues in communications studies.

Notes:
Prerequisites: One of the following 200-level courses: COMS 200, COMS 210, COMS 230 AND one of the following 300-level courses: COMS 300, COMS 310, COMS 320, COMS 330, COMS 340, COMS 350, COMS 354, COMS 361, COMS 362 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 491
Credit Weight: 3
Transcript Title: Special Topics in Comm Studies
Calendar Title: Special Topics in Communications Studies.
Description:
Emergent themes and issues in cultural approaches to media and communication studies.

Notes:
Prerequisites: One of the following 200-level courses: COMS 200, COMS 210, COMS 230 AND one of the following 300-level courses: COMS 300, COMS 310, COMS 320, COMS 330, COMS 340, COMS 350, COMS 354, COMS 361, COMS 362 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 492
Credit Weight: 3
Transcript Title: Power, Difference and Justice
Calendar Title: Power, Difference and Justice.
Description:
Media systems and their role in social relations of power and difference that are maintained and challenged through communication practices.

Notes:
Prerequisites: One of the following 200-level courses: COMS 200, COMS 210, COMS 230 AND one of the following 300-level courses: COMS 300, COMS 310, COMS 320, COMS 330, COMS 340, COMS 350, COMS 354, COMS 361, COMS 362 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 495
Credit Weight: 3
Transcript Title: Directed Reading
Calendar Title: Directed Reading.
Description:
Directed reading in a specialized area of communication studies to be undertaken with the guidance of an instructor with relevant expertise in the area.

Notes:
3 credits at the 200-level and 3 credits at the 300-level in COMS courses and permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 497
Credit Weight: 3
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description: Independent study of a particular topic in communication studies taken under the supervision of an instructor with relevant expertise in the area.
Notes: 3 credits at the 200-level and 3 credits at the 300-level in COMS courses and permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 500
Credit Weight: 3
Transcript Title: Special Topics in Com St 1
Calendar Title: Special Topics in Communications Studies 1.
Description: A seminar for advanced undergraduate students and Masters students dealing with selected topics in Communications Studies.
Notes: Restrictions: Limited to U3 undergraduates or MA students.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 501
Credit Weight: 3
Transcript Title: Special Topics in Com St 2
Calendar Title: Special Topics in Communications Studies 2.
Description: A seminar for advanced undergraduate students and Masters students in selected topics in Communications Studies.
Notes: Restrictions: Limited to U3 undergraduates or M.A. students.
Administering Faculty: Faculty of Arts
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 510
Credit Weight: 3
Transcript Title: Canadian Broadcasting Policy
Calendar Title: Canadian Broadcasting Policy.
Description: Key issues in the history and evolution of radio, television and new media in Canada. The legislative and regulatory framework of Canadian broadcasting, the relationship between public and privately-owned media, the emergence of new media, and the efforts of interest groups to influence the direction of the Canadian media system.
Notes: Course intended for senior undergraduates and graduate students with a specialized interest in Canadian broadcasting policy.
Prerequisites: 3 credits of COMS coursework at the 200-level, 3 credits of COMS
coursework at the 300 or 400-level, or permission of instructor.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active  

**COMS 521**  
**Credit Weight:** 3  
**Transcript Title:** Communications in History  
**Calendar Title:** Communications in History.  
**Description:**  
North American communication studies have undergone five discernible changes in the definition and focus of the field. The major "schools" of thought to be covered are the Chicago and Lazarsfeld heritages, the institutionalization of communication science in the academy, and the post-modern period.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active  

**COMS 541**  
**Credit Weight:** 3  
**Transcript Title:** Cultural Industries  
**Calendar Title:** Cultural Industries.  
**Description:**  
The convergence of computerized technologies and cultural industries and how these have produced entire new forms of cultural expression in film, TV, and the Internet.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active  

**COMS 560**  
**Credit Weight:** 3  
**Transcript Title:** Communications and Development  
**Calendar Title:** Communications and Development.  
**Description:**  
Examines the history and politics of communication and media practice in developing countries and regions. Emphasis on critical approaches to cultural and media imperialism, communication for development, indigenous media practices, technology transfer and emerging media.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active  

**COMS 601**  
**Credit Weight:** 3  
**Transcript Title:** The Problem of Communication  
**Calendar Title:** The Problem of Communication.  
**Description:**  
The idea, nature, and problem of 'communication' in western social and political thought, including the emergence of 'communication' in social analysis, and its relationship to language, media, subjectivity, culture and politics.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active  

**COMS 608**  
**Credit Weight:** 3
Transcript Title: Sound Studies
Calendar Title: Sound Studies.
Description: Key theoretical, primary and critical readings in sound studies including areas such as technology, subjectivity, voice, listening, soundscape, sound art, sound design, sound history and the philosophy of sound.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 611
Credit Weight: 3
Transcript Title: History / Theory / Technology
Calendar Title: History/Theory/Technology.
Description: A critical appraisal of current issues in the field of communications notably through an examination of how new theorists have dealt with the effects and consequences of developments in the technologies of communication. The contributions of Canadian media theorists figure significantly in the seminar's concerns.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 612
Credit Weight: 3
Transcript Title: Philosophy of Technology
Calendar Title: Philosophy of Technology.
Description: Central currents in the philosophy of technology, including the problem of technology as a core dimension of modernity and in post-industrial societies, especially as it related to issues in communication studies.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 613
Credit Weight: 3
Transcript Title: Gender and Technology
Calendar Title: Gender and Technology.
Description: Contemporary culture and media in Canada and Quebec since 1945, with special emphasis on the '70s.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 614
Credit Weight: 3
Transcript Title: Discourse Theory and Analysis
Calendar Title: Discourse Theory and Analysis.
Description: This course examines the history, theory, and practice of discourse analysis, with particular emphasis placed on scholarship in the fields of media, technology, and communication studies.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 616
Credit Weight: 3
Transcript Title: Staff-Student Colloquium 1
Calendar Title: Staff-Student Colloquium 1.
Description:
Pro-Seminar in Communications. A required course for all new M.A. and Ph.D. students. The Pro-Seminar is designed to explore theoretical and methodological issues in Communications through a series of presentations by the faculty and other McGill associates.

Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 617
Credit Weight: 3
Transcript Title: Staff-Student Colloquium 2
Calendar Title: Staff-Student Colloquium 2.
Description:
A required course for all new M.A. and Ph.D. students. The Pro-Seminar is designed to explore theoretical and methodological issues in Communications through a series of presentations by the faculty and other McGill associates.

Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 619
Credit Weight: 3
Transcript Title: Material Culture & Comm.
Calendar Title: Material Culture and Communications.
Description:
Approaches to the analysis of material artefacts of "things" and their place within communications. Anthropological, economic and aesthetic analysis of objects, with particular emphasis on the capacity of artefacts to carry and store meaning.

Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 623
Credit Weight: 3
Transcript Title: Information Design
Calendar Title: Information Design.
Description:
Examination of the basic concepts and methodologies in the design of information.

Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 625
Credit Weight: 3
Transcript Title: Media Policy
Calendar Title: Media Policy.
Description:
The political, economic, social and cultural processes that shape national media systems.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active

**COMS 627**  
**Credit Weight:** 3  
**Transcript Title:** Global Media Governance  
**Calendar Title:** Global Media Governance.  
**Description:** Governance issues, policies and institutions that are shaping the new global media environment.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active

**COMS 629**  
**Credit Weight:** 3  
**Transcript Title:** Can Cultural Commun Policy  
**Calendar Title:** Canadian Cultural Communications Policy.  
**Description:** An advanced seminar in history and theory of Canadian cultural and communications policy in the context of rapidly changing technological environments.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active

**COMS 630**  
**Credit Weight:** 3  
**Transcript Title:** Readings in Commun Research 1  
**Calendar Title:** Readings in Communications Research 1.  
**Description:** Reading programs supervised by a member of staff; topics will be chosen to suit individual interests.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active

**COMS 631**  
**Credit Weight:** 3  
**Transcript Title:** Textual Analysis of Media  
**Calendar Title:** Textual Analysis of Media.  
**Description:** An examination of tools and methods for the analysis of media texts, including methodological traditions of semiology, structuralism, classical film theory and discourse analysis, as well as with critiques directed at these traditions.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Art History & Communications  
**Status (catalog level):** Active

**COMS 633**  
**Credit Weight:** 3  
**Transcript Title:** Feminist Media Studies  
**Calendar Title:** Feminist Media Studies.  
**Description:**
Examination of cross-disciplinary approaches to critical media study undertaken by feminist, gender and queer studies scholars.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**COMS 635**

**Credit Weight:** 3

**Transcript Title:** Comm. & Postcolonial Thought

**Calendar Title:** Communication and Postcolonial Thought.

**Description:** Postcolonial and/or anti-colonial thinkers, including their intersection with important questions in communication and cultural studies.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**COMS 637**

**Credit Weight:** 3

**Transcript Title:** Historiography of Comm.

**Calendar Title:** Historiography of Communications.

**Description:** Surveys recent writings in the history of media and communication; explores theoretical and methodological problems of writing media history.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**COMS 639**

**Credit Weight:** 3

**Transcript Title:** Interpretive Methods in Media

**Calendar Title:** Interpretive Methods in Media.

**Description:** A study of the various modes of interpreting and understanding the products of the mass media and of other human communication events.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**COMS 643**

**Credit Weight:** 3

**Transcript Title:** Cultural Studies of News

**Calendar Title:** Cultural Studies of News.

**Description:** Examines how cultural studies scholars approach news, including news as a popular textual system, news as the ritual construction of national identity and its role in nation-building projects, the urban circulation of news, journalism as an interpretive culture, alternative press cultures, and the commoditization of news spectacles.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

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**COMS 644**

**Credit Weight:** 3

**Transcript Title:** Diasporic Popular Culture
**Calendar Title:** Diasporic Popular Culture.

**Description:**
Communicative and cultural innovations emerging from the experience of diasporic displacement, including theories of transnational communication, cultural exchange and diasporic cultural production.

**Notes:**
Restriction: Not open to students who have taken ENGG 560 in the 2003-2005 academic year.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**COMS 646**

**Credit Weight:** 3

**Transcript Title:** Popular Media

**Calendar Title:** Popular Media.

**Description:**
An assessment of popular culture and the research strategies employed; an examination of semiotics, critical theory, literary criticism, psychoanalysis, and cultural studies. Case studies from several of the following areas will be critiqued: fashion, music, advertising sub-cultural codes and behaviour, soap operas, visual art and cult films.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**COMS 647**

**Credit Weight:** 3

**Transcript Title:** Emerging Media

**Calendar Title:** Emerging Media.

**Description:**
Critical analysis of emergent media technologies, practices and institutions.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**COMS 648**

**Credit Weight:** 3

**Transcript Title:** Bodies and Machines

**Calendar Title:** Bodies and Machines.

**Description:**
Analysis of the cultural history of body-machine relations, including instruments, experiments, spaces of representation and intervention, and new media and embodiment.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Art History & Communications

**Status (catalog level):** Active

**COMS 649**

**Credit Weight:** 3

**Transcript Title:** Audience Analysis

**Calendar Title:** Audience Analysis.

**Description:**
Advanced theoretical and empirical work on audience analysis from the perspective of recent research in mass communications.

**Administering Faculty:** Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 651
Credit Weight: 3
Transcript Title: Crime, Media, Culture
Calendar Title: Crime, Media, Culture.
Description:
Concepts of fear, criminality, victim, punishment, discipline, and risk and their construction in modern media culture.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 655
Credit Weight: 3
Transcript Title: Media and the Senses
Calendar Title: Media and the Senses.
Description:
Media as interfaces between human senses and the surrounding world, including the relationship of media and sensory experience from cultural, technological, political and philosophical perspectives.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 670D1
Credit Weight: 1.5
Transcript Title: Film Studies Seminar
Calendar Title: Film Studies Seminar.
Description:
Seminar in film studies.
Notes:
Students must register for both ENGC 670D1 and ENGC 670D2
No credit will be given for this course unless both ENGC 670D1 and ENGC 670D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 670D2
Credit Weight: 1.5
Transcript Title: Film Studies Seminar
Calendar Title: Film Studies Seminar.
Description:
See ENGC 670D1 for course description.
Notes:
Prerequisite: ENGC 670D1
No credit will be given for this course unless both ENGC 670D1 and ENGC 670D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 675
Credit Weight: 3
Transcript Title: Media and Urban Life
Calendar Title: Media and Urban Life.
Description: The role of media in giving shape to urban life, including ways in which various media, from the newspaper through digital information networks, have shaped urban space, life and culture.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 681
Credit Weight: 3
Transcript Title: Special Topics: Media & Culture
Calendar Title: Special Topics: Media and Culture.
Description: Emergent themes in media and culture, and their application to current issues in communication studies.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 682
Credit Weight: 3
Transcript Title: Special Topics: Media Theory
Calendar Title: Special Topics in Media Theory.
Description: Emergent themes in media theory, and their application to current issues in communication studies.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 683
Credit Weight: 3
Transcript Title: Special Topics: Media & Politics
Calendar Title: Special Topics in Media and Politics.
Description: Emergent themes in media and politics, and their application to current issues in communication studies.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 692
Credit Weight: 6
Transcript Title: M.A. Thesis Preparation 1
Calendar Title: M.A. Thesis Preparation 1.
Description: Preparatory work towards the Master's thesis.
Administrating Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 693
Credit Weight: 6
Transcript Title: M.A. Thesis Preparation 2
Calendar Title: M.A. Thesis Preparation 2.
Description:
Preparatory work towards the Master's thesis.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 694
Credit Weight: 6
Transcript Title: M.A. Thesis Preparation 3
Calendar Title: M.A. Thesis Preparation 3.
Description:
Preparatory work towards the Master's thesis.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 695
Credit Weight: 6
Transcript Title: M.A. Thesis Preparation 4
Calendar Title: M.A. Thesis Preparation 4.
Description:
Preparatory work towards the Master's thesis.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 696
Credit Weight: 6
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 697
Credit Weight: 6
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
Independent work under the general direction of a full-time staff member on research leading to comprehensive report.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 702
Credit Weight: 0
Transcript Title: Comprehensive Exam
Calendar Title: Comprehensive Examination.
Description:
Comprehensive examination as per departmental procedure.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 703
Credit Weight: 0
Transcript Title: Dissertation Proposal
Calendar Title: Dissertation Proposal.
Description: Compulsory examination for all doctoral candidates.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active

COMS 730
Credit Weight: 3
Transcript Title: Readings in Commun Research 2
Calendar Title: Readings in Communications Research 2.
Description: Reading programs supervised by a member of staff; topics will be chosen to suit individual interests.
Administering Faculty: Graduate Studies
Teaching Department: Art History & Communications
Status (catalog level): Active
CORG 225
Credit Weight: 3
Transcript Title: Fnds of Org Behav & Admin
Calendar Title: Foundation of Organizational Behaviour and Administration.
Description:
This course covers diverse theories and applications such as perception, motivation, decision-making, team dynamics, negotiation, conflict management, leadership, and organizational culture. Levels of analysis are on the individual, team and organizational level.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 225J1
Credit Weight: 1
Transcript Title: Fnds of Org Behav & Admin
Calendar Title: Foundation of Organizational Behaviour and Administration.
Description:
This course covers diverse theories and applications such as perception, motivation, decision-making, team dynamics, negotiation, conflict management, leadership, and organizational culture. Levels of analysis are on the individual, team and organizational level.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 225J2
Credit Weight: 1
Transcript Title: Fnds of Org Behav & Admin
Calendar Title: Foundation of Organizational Behaviour and Administration.
Description:
See CORG 225J1 for course description.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 225J3
Credit Weight: 1
Transcript Title: Fnds of Org Behav & Admin
Calendar Title: Foundation of Organizational Behaviour and Administration.
Description:
See CORG 225J1 for course description.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 225N1
Credit Weight: 1.5
Transcript Title: Fnds of Org Behav & Admin
Calendar Title: Foundation of Organizational Behaviour and Administration.
Description:
This course covers diverse theories and applications such as perception, motivation, decision-making, team dynamics, negotiation, conflict management, leadership, and organizational culture. Levels of analysis are on the individual, team and organizational level.
Notes:
Students must also register for CORG 225N2.
No credit will be given for this course unless both CORG 225N1 and CORG 225N2 are successfully completed in a twelve month period.
CORG 225N1 and CORG 225N2 together are equivalent to CORG 225.

**Administering Faculty:** School of Continuing Studies
**Teaching Department:** Administration & Governance
**Status (catalog level):** Active

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CORG 225N2

**Credit Weight:** 1.5
**Transcript Title:** Fnds of Org Behav & Admin
**Calendar Title:** Foundation of Organizational Behaviour and Administration.
**Description:**
See CORG 225N1 for description.

**Notes:**
Prerequisite: CORG 225N1
No credit will be given for this course unless both CORG 225N1 and CORG 225N2 are successfully completed in a twelve month period.
CORG 225N1 and CORG 225N2 together are equivalent to CORG 225.

**Administering Faculty:** School of Continuing Studies
**Teaching Department:** Administration & Governance
**Status (catalog level):** Active

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CORG 295

**Credit Weight:** 3
**Transcript Title:** Employee Labour Reltns & Law
**Calendar Title:** Employee Labour Relations and Law.
**Description:**
An overview of the history and theories of industrial relations and how they are related to today's labour-management relationships and laws. Consideration will be paid to topics such as the organization, purpose and governance of unions; legislation of labour; collective bargaining processes and the dynamic of public interest and industrial relations.

**Notes:**
Restriction: Not open to students who have taken or are taking INDR 294.

**Administering Faculty:** School of Continuing Studies
**Teaching Department:** Administration & Governance
**Status (catalog level):** Active

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CORG 415

**Credit Weight:** 3
**Transcript Title:** Leading Teams in Organizations
**Calendar Title:** Leading Teams in Organizations.
**Description:**
An overview of leadership theories and models related to the management of teams in organizational settings. Topics such as team dynamics, underlying factors to successful and ineffective teamwork, strategies for supporting managers in improving team performance and team building will be addressed. In addition, practical strategies and leadership skills for leading teams will be applied and developed.

**Notes:**
Restriction: Not open to students who have taken or are taking ORGB 420.
Prerequisite(s): MGCR 222 or CORG 225
This course will be held on May 2nd, 3rd, 4th, 5th, 6th, 7th, 9th, 10th, and 11th.

Due to the intensive nature of this course, the standard add/drop and withdrawal
deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CORG 416**

**Credit Weight:** 3

**Transcript Title:** Leading Change: Organizations

**Calendar Title:** Leading Change in Organizations.

**Description:**
An overview of theories and models on leading and managing organizational change. Topics such as leaders spearheading change, the change process, preventing and addressing resistance to change, and creating consensus and buy-in will be covered. Change models, theories and techno-structural methods will be applied using contemporary Canadian case studies.

**Notes:**
Restriction: Not open to students who have taken or are taking ORGB 421
Prerequisite: MGCR 222 or CORG 225

*This course will be held on May 13, May 26, June 10 and June 16.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CORG 420**

**Credit Weight:** 3

**Transcript Title:** HR Mgmt: Theory and Practice

**Calendar Title:** Human Resource Management: Theory and Practice.

**Description:**
This course provides a comprehensive overview of human resources management (HRM) and an understanding of the strategic role HRM plays in the work environment. It introduces students to current HRM concepts, skills and practices, focusing on both theory and its practical application. Topics include: human resources planning, job analysis and design, recruitment selection and retention, training, performance management, organizational development and change, compensation and benefits, labour relations, legal issues, and strategic issues and challenges in HRM.

**Notes:**
Prerequisites: MGCR 222 or CORG 225

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CORG 440**

**Credit Weight:** 3

**Transcript Title:** Org. Learning & Development

**Calendar Title:** Organizational Learning and Development.

**Description:**
Review of major models of learning and development from a systemic point of view. Assessing and understanding the difference between training and development. Topics include: learning organizations, training issues, training programs, skills development, transfer of learning, planning, conceptualization, design, implementation and evaluation of training and career development programs.

**Notes:**
Prerequisite: CORG 420 or ORGB 423

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 445
Credit Weight: 3
Transcript Title: Workforce Planning & Talent Acquisition
Calendar Title: Workforce Planning and Talent Acquisition
Description:
New trends and best practices in workforce planning and talent acquisition. Recruitment and selection will be covered from legal, theoretical, and practical perspectives. Topics covered include job analysis, competency-based profile, and employer branding. Staffing processes, metric indicators, and strategic sourcing will also be discussed.

Notes:
Prerequisite: CORG 420 or ORGB 423

CORG 450
Credit Weight: 3
Transcript Title: Workplace Health and Safety
Calendar Title: Workplace Health and Safety
Description:
Basic components of effective health and safety policies, programs and current legislation (CSST, WHMIS, safety committees) focusing on proactive management to ensure employees have clearly defined accountabilities for accident prevention: hazardous materials, loss prevention, workers' compensation claims, employee assistance plans, work life quality, preventative health issues, and ergonomic standards.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 470
Credit Weight: 3
Transcript Title: Theories & Practices of Compensation
Calendar Title: Theories and Practices of Compensation
Description:
An overview of organizational behaviour theories related to compensation management. Policies and practices relative to compensation and its relationship with motivation are discussed. Topics such as feedback loops and job evaluation; salary scales; performance-based pay; special employee groups and pay equity law will be covered using real world case studies.

Notes:
Restriction(s): Not open to students who have taken or are taking ORGB 525.
Prerequisite(s): (MGCR 222 or CORG 225) and (CORG 420 or ORGB 423)

CORG 551
Credit Weight: 3
Transcript Title: Behaviour in Organizations
**Calendar Title:** Behaviour in Organizations.

**Description:**
The implications for management and the essential concepts of social psychology such as motivation, perception, attitude change and organization. Group and organizational dynamics will be the major emphasis of the course. Classroom discussion and student participation is encouraged.

**Notes:**
- **Administering Faculty:** School of Continuing Studies
- **Teaching Department:** Administration & Governance
- **Status (catalog level):** Inactive

**CORG 551J1**

**Credit Weight:** 1

**Transcript Title:** Behaviour in Organizations

**Calendar Title:** Behaviour in Organizations.

**Description:**
See CORG 551J1 for course description.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Inactive

**CORG 551J2**

**Credit Weight:** 1

**Transcript Title:** Behaviour in Organizations

**Calendar Title:** Behaviour in Organizations.

**Description:**
See CORG 551J1 for course description.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Inactive

**CORG 551J3**

**Credit Weight:** 1

**Transcript Title:** Behaviour in Organizations

**Calendar Title:** Behaviour in Organizations.

**Description:**
See CORG 551J1 for course description.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Inactive

**CORG 551N1**

**Credit Weight:** 1.5

**Transcript Title:** Behaviour in Organizations

**Calendar Title:** Behaviour in Organizations.

**Description:**
The implications for management and the essential concepts of social psychology such as motivation, perception, attitude change and organization. Group and organizational dynamics will be the major emphasis of the course. Classroom discussion and student participation is encouraged.

**Notes:**
- Students must also register for CORG 551N2
- No credit will be given for this course unless both CORG 551N1 and CORG 551N2 are
successfully completed in a twelve month period.
CORG 551N1 and CORG 551N2 together are equivalent to CORG 551

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 551N2
Credit Weight: 1.5
Transcript Title: Behaviour in Organizations
Calendar Title: Behaviour in Organizations.
Description:
See CORG 551N1 for description.
Notes:
Prerequisite: CORG 551N1
No credit will be given for this course unless both CORG 551N1 and CORG 551N2 are successfully completed in a twelve month period.
CORG 551N1 and CORG 551N2 together are equivalent to CORG 551

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 553
Credit Weight: 3
Transcript Title: Employee and Labour Relations
Calendar Title: Employee and Labour Relations.
Description:
Industrial relations framework, its legal, political, social, economic, ecological and ethical subsystems. Processes governing union-management relations, collective bargaining and dispute resolution, and the roles of executives, supervisors, employees, employee representatives, HR-IR professionals in effective employee relations in unionized and non-unionized environments.
Notes:
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources concentration), & Grad. Certificate in Human Resources Management.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 554
Credit Weight: 3
Transcript Title: Managing Occup Health & Safety
Calendar Title: Managing Occupational Health and Safety.
Description:
How to develop, implement and manage effective health and safety programs; competencies and roles of employees, supervisors, executives and HR; strategic, legal and ethical implications of legislation, risk behaviour; socio-psychological aspects of mental and physical health and safety issues; communications and training strategies.
Notes:
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources concentration), & Grad. Certificate in Human Resources Management.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive
CORG 555
Credit Weight: 3
Transcript Title: Strategic HR Management
Calendar Title: Strategic Human Resources Management.
Description: Linking HRM and business strategy; role of HR in the organization and alignment with strategic management. Overview of HR functional areas and the competencies required to become a successful HR professional; impact of HR policies, processes and practices on employees, teams and organizations, including legal and ethical implications.
Notes: Corequisite: CORG 551
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources concentration), & Grad. Certificate in Human Resources Management.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 556
Credit Weight: 3
Transcript Title: Managing and Engaging Teamwork
Calendar Title: Managing and Engaging Teamwork.
Description: Skills and knowledge to work better in teams, to leverage team strengths and avoid or resolve obstacles to build effective teamwork. Topics include: team development, building trust, decision-making in teams, resolving team conflicts and enhancing creativity in groups.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 556D1
Credit Weight: 1.5
Transcript Title: Managing and Engaging Teamwork
Calendar Title: Managing and Engaging Teamwork.
Description: Skills and knowledge to work better in teams, to leverage team strengths and avoid or resolve obstacles to build effective teamwork. Topics include: team development, building trust, decision-making in teams, resolving team conflicts and enhancing creativity in groups.
Notes: Students must register for both CORG 556D1 and CORG 556D2
No credit will be given for this course unless both CORG 556D1 and CORG 556D2 are successfully completed in consecutive terms
CORG 556D1 and CORG 556D2 together are equivalent to CORG 556
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 556D2
Credit Weight: 1.5
Transcript Title: Managing and Engaging Teamwork
Calendar Title: Managing and Engaging Teamwork.
Description:
See CORG 556D1 for description.

Notes:
Prerequisite: CORG 556D1
No credit will be given for this course unless both CORG 556D1 and CORG 556D2 are successfully completed in consecutive terms.
CORG 556D1 and CORG 556D2 together are equivalent to CORG 556

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 556N1
Credit Weight: 1.5
Transcript Title: Managing and Engaging Teamwork
Calendar Title: Managing and Engaging Teamwork.
Description:
Skills and knowledge to work better in teams, to leverage team strengths and avoid or resolve obstacles to build effective teamwork. Topics include: team development, building trust, decision-making in teams, resolving team conflicts and enhancing creativity in groups.
Notes:
Students must also register for CORG 556N2
No credit will be given for this course unless both CORG 556N1 and CORG 556N2 are successfully completed in a twelve month period.
CORG 556N1 and CORG 556N2 together are equivalent to CORG 556

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 556N2
Credit Weight: 1.5
Transcript Title: Managing and Engaging Teamwork
Calendar Title: Managing and Engaging Teamwork.
Description:
See CORG 556N1 for description.
Notes:
Prerequisite: CORG 556N1
No credit will be given for this course unless both CORG 556N1 and CORG 556N2 are successfully completed in a twelve month period.
CORG 556N1 and CORG 556N2 together are equivalent to CORG 556

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 557
Credit Weight: 3
Transcript Title: Talent & Performance Mgmt.
Calendar Title: Talent and Performance Management.
Description:
Talent and Performance Management focuses on succession planning and performance management systems, processes and tools. Topics include: performance management strategies, measurement, indicators and reviews. The goal is to select effective and practical processes, methods, and tools to assess and increase current and future organizational performance.
Notes:
Prerequisite: CORG 555.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 560
Credit Weight: 3
Transcript Title: Staffing Organizations
Calendar Title: Staffing Organizations.
Description:
HR planning and succession planning; organizational and job analysis; recruitment and selection processes which enhance individual performance and organizational effectiveness; recruitment and selection planning; validation and evaluation measurements. Strategic, legal and ethical implications of staffing practices and decisions will be analyzed.
Notes:
Prerequisite: CORG 555
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources concentration), & Grad. Certificate in Human Resources Management.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 561
Credit Weight: 3
Transcript Title: Developing Human Resources
Calendar Title: Developing Human Resources.
Description:
Human performance technology and organizational learning models address individual, team and organizational performance problems: diagnosing workplace situations, identifying causes, selecting appropriate interventions, implementing change, and evaluating results; increasing client capability delivering results while considering internal and external factors affecting performance (competing pressures and resource constraints); strategic, legal and ethical implications.
Notes:
Prerequisite: CORG 555
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources concentration), & Grad. Certificate in Human Resources Management.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CORG 562
Credit Weight: 3
Transcript Title: Total Compensation and Rewards
Calendar Title: Total Compensation and Rewards.
Description:
Strategic compensation management within a behavioural framework to understand rewards and motivation, work satisfaction and performance. Use of financial and non-financial rewards to attract, retain and motivate. Legal, economic, ethical and culture-fit issues in the design and implementation of direct and indirect compensation policies and systems.
Notes:
Prerequisite: CORG 555
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources concentration), & Grad.
Certificate in Human Resources Management.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Inactive

**CORG 565**

**Credit Weight:** 3

**Transcript Title:** HR Information Systems: HRIS

**Calendar Title:** Human Resources Information Systems: HRIS.

**Description:**
How to measure human resources management value and effectiveness; data sources relevant to strategic, operational, legal and ethical HR decisions: acquiring and analyzing data from HRIS, internet, surveys; methods to ensure validity of HR metrics. Survey of specialized computerized HRM applications.

**Notes:**
Prerequisite: CORG 555
Restrictions: Restricted to students in the Diploma in Human Resources Management, Diploma in Management (Human Resources Concentration), Graduate Certificate in Human Resources Management.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Inactive

**CORG 590**

**Credit Weight:** 3

**Transcript Title:** Topics in HR Management

**Calendar Title:** Topics in Human Resources Management.

**Description:**
Specialized course covering advanced topics in the human resources management area selected from current issues or themes in literature.

**Notes:**
Prerequisite: Permission of the Director
Restrictions: Restricted to students in the Diploma in Human Resources Management. Diploma in Management (Human Resources Concentration), Grad. Certificate in Human Resources Management.
Note: Content will vary from year to year.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

**CORG 590N1**

**Credit Weight:** 1.5

**Transcript Title:** Topics in HR Management

**Calendar Title:** Topics in Human Resources Management.

**Description:**
Specialized course covering advanced topics in the human resources management area selected from current issues or themes in literature.

**Notes:**
Students must also register for CORG 590N2
No credit will be given for this course unless both CORG 590N1 and CORG 590N2 are successfully completed in a twelve month period.
CORG 590N1 and CORG 590N2 together are equivalent to CORG 590

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

**CORG 590N2**
Credit Weight: 1.5
Transcript Title: Topics in HR Management
Calendar Title: Topics in Human Resources Management.
Description:
See CORG 590N2 for description.
Notes:
Prerequisite: CORG 590N1
No credit will be given for this course unless both CORG 590N1 and CORG 590N2 are successfully completed in a twelve month period.
CORG 590N1 and CORG 590N2 together are equivalent to CORG 590
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 651
Credit Weight: 3
Transcript Title: Behaviour in Organizations
Calendar Title: Behaviour in Organizations.
Description:
Analysis of individual and group performance and behaviour within an organization. The implications for management and the essential concepts of social psychology, such as motivation, perception, working in teams, well-being, decision-making, communication, conflict management, power and politics, leadership, and organizational culture.
Notes:
Restrictions: Not open to students who have taken CORG 551 or CORG 551N1/N2, or CORG 551J1/J2/J3.
Course may be offered in person or online with synchronous and asynchronous components.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 653
Credit Weight: 3
Transcript Title: Employee and Labour Relations
Calendar Title: Employee and Labour Relations.
Description:
Industrial relations framework; its legal, political, social, economic, ecological and ethical, subsystems. Processes governing union-management relations, collective bargaining, and dispute resolution; and the roles of executives, supervisors, employees, employee representatives, and Human Resources - Industrial Relations professionals in effective employee relations in unionized and non-unionized environments.
Notes:
Restrictions: Not open to students who have taken CORG 553.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 654
Credit Weight: 3
Transcript Title: Managing Occup Health & Safety
Calendar Title: Managing Occupational Health and Safety.
Description:
How to develop, implement, and manage effective health and safety
programs; competencies and roles of employees, supervisors, executives, and Human Resources; strategic, legal, and ethical implications of legislation; risk behaviour; socio-psychological aspects of mental and physical health and safety issues; communications and training strategies.

Notes:
Restrictions: Not open to students who have taken CORG 554.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 655
Credit Weight: 3
Transcript Title: Strategic HR Management
Calendar Title: Strategic Human Resources Management.
Description:
Study of the relationship between human resources management and business strategy; role of human resources in the organization and alignment with strategic management. Overview of human resources functional areas and the competencies required to become a successful human resources professional; impact of human resources policies, processes, and practices on employees, teams, and organizations, including legal and ethical implications. Green human resources management, hybrid work, equity, diversity, and inclusion policies.
Notes:
Not open to students who have taken CORG 555.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 660
Credit Weight: 3
Transcript Title: Staffing Organizations
Calendar Title: Staffing Organizations.
Description:
Study of current issues and methodologies used to competitively staff organizations. Focus on using strategic, legal, ethical, and data-driven practices to enhance the staffing process. Topics include human resources planning and succession planning; job analysis and competency profiling; recruitment, selection, and sourcing; organizational effectiveness.
Notes:
Not open to students who have taken CORG 560.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CORG 661
Credit Weight: 3
Transcript Title: Developing Human Resources
Calendar Title: Developing Human Resources.
Description:
Human performance technology and organizational learning models addressing individual, team, and organizational performance problems: diagnosing workplace situations, identifying causes, selecting appropriate interventions, implementing change, and evaluating results; increasing client capability; delivering results while considering internal and external factors affecting performance (competing pressures and resource constraints); strategic, legal, and ethical implications.
Notes:
Not open to students who have taken CORG 561.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

**CORG 662**  
**Credit Weight:** 3  
**Transcript Title:** Total Compensation and Rewards  
**Calendar Title:** Total Compensation and Rewards.  
**Description:**  
Strategic compensation management within a behavioural framework to understand rewards and motivation, work, satisfaction, and performance. Use of financial and non-financial rewards to attract, retain, and motivate. Legal, economic, ethical, and culture-fit issues in the design and implementation of direct and indirect compensation policies and systems.  
**Notes:**  
Not open to students who have taken CORG 562.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

**CORG 665**  
**Credit Weight:** 3  
**Transcript Title:** Technology & Innovation in HR  
**Calendar Title:** Technology and Innovation in Human Resources .  
**Description:**  
Examination of new human resources information systems (HRIS) that facilitate innovative processes within an organization and its ecosystem. Focus on using technology to support an organization's optimization needs. Overview of current human resources trends, recruitment software, change management, human resources metrics, data analytics, artificial intelligence, and increasingly sophisticated payroll systems, including those using blockchain technologies.  
**Notes:**  
Not open to students who have taken CORG 565.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

**CORG 667**  
**Credit Weight:** 3  
**Transcript Title:** Talent & Performance Mgmt.  
**Calendar Title:** Talent and Performance Management.  
**Description:**  
Succession planning and performance management systems, processes, and tools. Topics include: performance management strategies, measurement, indicators, and reviews. Selecting effective and practical processes, methods, and tools to assess and increase current and future organizational performance.  
**Notes:**  
Not open to students who have taken CORG 557.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active
CPAC 101
Credit Weight: 1
Transcript Title: Topics in Citizen & Social Eng
Calendar Title: Topics in Citizenship and Social Engagement.
Description:
This course provides students with a chance to reflect on social change as it pertains to the current Quebec landscape. Participants will work with an instructor who will lead them to consider the various bodies that make up Quebec's social change movements and the impact which their involvement in these movements could have on their lives and the lives of others. Material covered will be grounded in global concepts on citizenship and social engagement, linking theory with practice as witnessed by history.
Notes:
This course is provided through unilingual French and English sections. Support documents in both languages will be provided and students will have the option to submit work in either official language. Verify language of delivery before registration.
Administering Faculty: School of Continuing Studies
Teaching Department: Personal & Cultural Enrichment
Status (catalog level): Active

CPAC 102
Credit Weight: 1
Transcript Title: Topics in Volunteer & Comm Dev
Calendar Title: Topics in Volunteerism and Community Development.
Description:
The approaches and practices of local community organizing. Participants will work with an instructor who will lead them to consider the significance of volunteerism and the impact perpetrated by various local, third sector groups. Material covered will be grounded in concepts of social and economic community development and activism, linking practice with theories of change.
Notes:
Note: This course is provided through unilingual French and English sections. Students will have the option to submit work in either official language. Verify language of delivery before registration.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active
CPAG 220
Credit Weight: 3
Transcript Title: Fundls of Pub Fin, Budget&Rep
Calendar Title: Fundamentals of Public Finance, Budgeting and Reporting.
Description:
Covers public finance; characteristics of budgeting; public funding; basics of fiscal analysis; concepts and terminology in financial reporting; cash management, monitoring and evaluation of budget performance.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPAG 225
Credit Weight: 3
Transcript Title: Fndns of PubRegs&Ethics:PubSec
Calendar Title: Foundations of Public Regulations and Ethics in Public Sector.
Description:
Fundamental elements of the Canadian legal system; legal environment of Canadian public administration, law, institutions and processes; principles of public sector ethics; relationship between ethics, accountability and good governance.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPAG 300
Credit Weight: 3
Transcript Title: Lean Op Practices in Pub Ser
Calendar Title: Lean Operational Practices in Public Services.
Description:
Lean principles and methods that can be applied to meet the demands for efficiency and quality in the public sector, encompassing a value-oriented approach to process improvement through waste elimination, flow, demand pull and perfection aiming to achieve operational excellence.
Notes:
This course will be held on June 13, 14, 15, 16, 17, and 18.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPAG 305
Credit Weight: 3
Transcript Title: Cur Issues in Pub Sec Admin
Calendar Title: Current Issues in Public Sector Administration.
Description:
Current challenges and opportunities facing managers in the public sector. Management tools and concepts being used in the public sector offices, and how specific management issues are addressed within the departments.
Notes:
**Restricted to students registered in Public Administration and Governance.
Online course.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CPAG 400
Credit Weight: 3
Transcript Title: Diversity, Equity & Inclusion Mgmt
Calendar Title: Diversity, Equity, and Inclusion Management.
Description: Examination of the concepts of equity, diversity and inclusion. Effect on interpersonal interactions, intergroup interactions and the management of multicultural workforces in terms of cognition and behaviour, communication, leadership, employee engagement and negotiation.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPAG 410
Credit Weight: 3
Transcript Title: Strat Planning & Implementation
Calendar Title: Strategic Planning and Implementation.
Description: Theory and practice of strategic management required to facilitate strategic thinking and planning in organizations in response to changing conditions. Topics in stakeholder analysis; transforming strategic plans into policies and programs, assessing organizational performance, deploying resources, quality control, strategic communication, planning, problem solving, progress assessment; completion and evaluation.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPAG 500
Credit Weight: 3
Transcript Title: Lean Ops in Public Services
Calendar Title: Lean Operations in Public Services.
Description: Lean principles and how to apply processes needed to optimize cost while maintaining or improving service levels in the public sector. Particularities of service operations in a public environment and how process improvement methodologies can be used there.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CPAG 510
Credit Weight: 3
Transcript Title: Current Issues in Pub Sec Mgmt
Calendar Title: Current Issues in Public Sector Management.
Description: Contemporary challenges faced by public administration due to political, technological, social and economic changes in society. Trends, successes and failures experienced in the past, and alternative solutions.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CPAG 515
Credit Weight: 3
Transcript Title: Pub Regs & Ethics in the Pub Sec  
Calendar Title: Public Regulations and Ethics in the Public Sector.  
Description: Legal principles and legal reasoning, role of law in public sector management such as constitutional law, administrative law and human rights law; how the principles behind privacy and access to information legislation are derived from the ethical principles.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Administration & Governance  
Status (catalog level): Inactive

CPAG 520  
Credit Weight: 3  
Transcript Title: Leadership & Gov in Pub Orgs  
Calendar Title: Leadership and Governance in Public Organizations.  
Description: Leadership and governance issues, accountabilities and responsibilities for public organization leaders, governance best practices, and administrative aspects of Indigenous governance. Practical ways to improve service delivery and performance.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Administration & Governance  
Status (catalog level): Inactive

CPAG 525  
Credit Weight: 3  
Transcript Title: Pub Fin, Budgeting & Reporting  
Calendar Title: Public Finance, Budgeting and Reporting.  
Description: Planning and budgetary processes, resource allocation, controlled delivery and accountability in the public sector. Budgets, public funding, financial statements, reporting, and managing financial resources.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Administration & Governance  
Status (catalog level): Inactive

CPAG 600  
Credit Weight: 3  
Transcript Title: Lean Ops in Public Services  
Calendar Title: Lean Operations in Public Services.  
Description: Analysis of lean principles and the processes needed to optimize cost and maintain or improve services levels in the public sector. Exploration of the particularities of the service operations and how process improvement methodologies can be used in the public environment.  
Notes: Restrictions: Not open to students who have taken CPAG 500. Course may be offered in person or online with synchronous and asynchronous components.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Administration & Governance  
Status (catalog level): Active

CPAG 610  
Credit Weight: 3  
Transcript Title: Current Issues: Pub Sector Mgmt


**Calendar Title:** Current Issues in Public Sector Management.

**Description:**
Analysis of contemporary issues and challenges faced by public administration due to political, technological, social, and economic changes. Examination of current trends, successes, failures, and alternative solutions experienced by public administration in the past.

**Notes:**
Not open to students who have taken CPAG 510.
Course may be offered in person or online with synchronous and asynchronous components.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CPAG 615**

**Credit Weight:** 3

**Transcript Title:** Pub Regs & Ethics: the Pub Sector

**Calendar Title:** Public Regulations and Ethics in the Public Sector.

**Description:**
Interpretation of legal and ethical issues relevant to public services. Examination of legal principles and legal reasoning, the role of law in public sector management, such as constitutional law, administrative law, and human rights law. Exploration of the principles that inform privacy and access to information legislation and their derivation form ethical theories.

**Notes:**
Restriction: Not open to students who have taken CPAG 515.
Course may be offered in person or online with synchronous and asynchronous components.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CPAG 620**

**Credit Weight:** 3

**Transcript Title:** Leadership & Gov in Pub Orgns

**Calendar Title:** Leadership and Governance in Public Organizations.

**Description:**
Analysis of leadership and governance issues, accountabilities, and responsibilities for public organization leaders; governance best practices; and administrative aspects of governance. Exploration of practical ways to improve service delivery and performance.

**Notes:**
Restrictions: Not open to students who have taken CPAG 520.
Course may be offered in person or online with synchronous and asynchronous components.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Administration & Governance

**Status (catalog level):** Active

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**CPAG 625**

**Credit Weight:** 3

**Transcript Title:** Pub Fin, Budgeting & Reporting

**Calendar Title:** Public Finance, Budgeting and Reporting.

**Description:**
Analysis of planning and budgetary processes, resource allocation, controlled delivery, and accountability in the public sector. Exploration of public funding
and budgets, measuring and reporting, and managing and controlling. Comparison of public and private sector contexts.

Notes:
Restrictions: Not open to students who have taken CPAG 525.
Course may be offered in person or online with synchronous and asynchronous components.

Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CPD2 505
Credit Weight: 3
Transcript Title: Risk Management and Insurance
Calendar Title: Risk Management and Insurance.
Description:
This course explores the fundamentals of risk management and covers the theory and practices of insurance, policy construction and interpretation for major classes of commercial and personal insurance and emphasizes the importance of decision-making criteria in selecting among various alternatives available.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CPDV 301
Credit Weight: 3
Transcript Title: Risk Management
Calendar Title: Risk Management.
Description:
This course emphasizes the importance of decision-making criteria in selecting among the various alternatives available in risk management. Management techniques treated are: the risk management concepts and objectives; risk management in an organization and its effect on profits; risk management techniques; risk identification and analysis; forecasting and comparing risks; property risks; income risks; liability risks; personnel loss risks; probability analysis; risk management decision-making and capital budgeting methods.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPDV 302
Credit Weight: 3
Transcript Title: Risk Control
Calendar Title: Risk Control.
Description:
This course specifically explores the selection, implementation and monitoring of risk control techniques which are essential in preventing or minimizing potential losses before they occur. Fault tree study, statistical analysis, contractual liability reviews and in-house safety programs are detailed. The course will examine the two dimensions of loss, frequency and severity, with particular attention on losses to property, people, net income and liability.
Notes:
Prerequisite: CPDV 301
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPDV 303
Credit Weight: 3
Transcript Title: Risk Financing
Calendar Title: Risk Financing.
Description:
This course explores the fundamentals of risk financing as they relate to the risk management process. The identification, implementation and monitoring of Risk Financing Techniques will be analyzed within the following guidelines: framework for risk financing; criteria for risk financing technique selection; insurance as a risk financing technique; financing property, net income, liability and personnel losses; accounting and some income tax aspects of accidental losses; implementing risk retention available options, including use of affiliated insurers; insurance pricing, selection of insurers and their representatives; risk cost allocation.
Notes:
Prerequisite: CPDV 301
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPDV 400
Credit Weight: 3
Transcript Title: Risks and Capital for Banks 1
Calendar Title: Risks and Capital for Banks 1.
Description:
This course covers classification of financial risks in banking, the concepts of risk-based regulatory and economic capital, and the evolution of the Basel II regulatory process. The basic relevant statistical tools including the Value at Risk measure, the measurement of market and interest rate risks will be presented.

Notes:
Prerequisites: CFIN 300 and CMSC 221 and MGCR 341

Administering Faculty: School of Continuing Studies

Teaching Department: Career & Professional Develop

Status (catalog level): Active

CPDV 402
Credit Weight: 3

Transcript Title: Risks and Capital for Banks 2

Calendar Title: Risks and Capital for Banks 2.

Description:
This course deals with the measurement of credit and operational risks and the Top of the House regulatory and economic capital. Case studies of the 2008-2009 financial crisis, stress testing and back testing of bank capital, and model validation will be discussed.

Notes:
Prerequisite: CPDV 400

Administering Faculty: School of Continuing Studies

Teaching Department: Career & Professional Develop

Status (catalog level): Active
CPL2 510
Credit Weight: 3
Transcript Title: Commun. & Networking Skills
Calendar Title: Communication and Networking Skills.
Description:
This course will provide students with leadership skills pertaining to communication and networking in the workplace. Topics covered include influencing, appraising situations, business networking, teamwork and delivering effective presentations.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CPL2 511
Credit Weight: 1.5
Transcript Title: Bus. Anal. for Decision-Making
Calendar Title: Business Analytics for Decision-Making.
Description:
The focus is on the practical application of data analytics concepts, models, tools and techniques to solve business problems and improve organizational decision-making. Students will apply insights gathered from inside and outside an organization to improve operations, productivity and business results.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 512
Credit Weight: 1.5
Transcript Title: Peopl Anal for Decision-Making
Calendar Title: People Analytics for Decision-Making.
Description:
People analytics is a data-driven approach to recruit, retain and manage people. The focus of the course is on the systematic collection of data from inside or outside an organization and, the analysis and interpretation of the data to improve human resources decisions that are aligned with an organization’s strategic goals.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 524
Credit Weight: 3
Transcript Title: Intro:International Business
Calendar Title: Introduction: International Business.
Description:
This course deals with fundamental international business issues: the international business environment, foreign exchange risk, multinational corporations, international organizations, international sources of financing, international marketing policies, essential factors to be considered when entering foreign markets (licensing and exporting) and international management.
Notes:
Core Program
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CPL2 530
Credit Weight: 3
Transcript Title: Canadian Imp, Exp & Cust Regs
Calendar Title: Canadian Import, Export and Customs Regulations.
Description:
This course provides students with an understanding of Canadian import, export, and customs regulations. Students have the opportunity to learn how the Canadian Import-Export Act may be applied and to understand customs procedures. The course also develops students' ability to classify products for tariffs, draft commercial documents, and calculate the duties and taxes on imports and exports.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CPL2 531
Credit Weight: 3
Transcript Title: Leadership Theory and Practice
Calendar Title: Leadership Theory and Practice.
Description:
Leadership theory and practice, including a broad survey of leadership theories and the factors responsible for leadership effectiveness.
Notes:
Prerequisite: Core program
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 532
Credit Weight: 3
Transcript Title: Leading Change
Calendar Title: Leading Change.
Description:
Leading and managing change issues, including the leader as a change agent and the change process itself. Various models of change and change leadership will be reviewed, as well as follower reluctance or resistance to change and strategies that leaders can use to gain follower commitment.
Notes:
**This course will be held on May 13, May 26, June 10 and June 16.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 532D1
Credit Weight: 1.5
Transcript Title: Leading Change
Calendar Title: Leading Change.
Description:
Leading and managing change issues, including the leader as a change agent and the change process itself. Various models of change and change leadership will be reviewed, as well as follower reluctance or resistance to change and strategies that leaders can use to gain follower commitment.
Notes:
Students must register for both CPL2 532D1 and CPL2 532D2. No credit will be given for this course unless both CPL2 532D1 and CPL2 532D2 are successfully completed in consecutive terms. CPL2 532D1 and CPL2D2 together are equivalent to CPL2 532.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

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CPL2 532D2  
**Credit Weight:** 1.5  
**Transcript Title:** Leading Change  
**Calendar Title:** Leading Change.  
**Description:** See CPL2 532D1 for course description.  
**Notes:** Prerequisite: CPL2 532D1. No credit will be given for this course unless both CPL2 532D1 and CPL2 532D2 are successfully completed in consecutive terms. 

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

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CPL2 532J1  
**Credit Weight:** 1  
**Transcript Title:** Leading Change  
**Calendar Title:** Leading Change.  
**Description:** Leading and managing change issues, including the leader as a change agent and the change process itself. Various models of change and change leadership will be reviewed, as well as follower reluctance or resistance to change and strategies that leaders can use to gain follower commitment. 

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

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CPL2 532J2  
**Credit Weight:** 1  
**Transcript Title:** Leading Change  
**Calendar Title:** Leading Change.  
**Description:** For description see CPL2 532J1. 

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

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CPL2 532J3  
**Credit Weight:** 1  
**Transcript Title:** Leading Change  
**Calendar Title:** Leading Change.  
**Description:** For description see CPL2 532J1. 

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

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CPL2 532N1
Credit Weight: 1.5
Transcript Title: Leading Change
Calendar Title: Leading Change.
Description:
Leading and managing change issues, including the leader as a change agent and the change process itself. Various models of change and change leadership will be reviewed, as well as follower reluctance or resistance to change and strategies that leaders can use to gain follower commitment.
Notes:
Students must also register for CPL2 532N2
CPL2 532N1 and CPL2 532N2 together are equivalent to CPL2 532
No credit will be given for this course unless both CPL2 532N1 and CPL2 532N2 are successfully completed in a twelve month period
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 532N2
Credit Weight: 1.5
Transcript Title: Leading Change
Calendar Title: Leading Change.
Description:
See CPL2 532N1 for description.
Notes:
Prerequisite: CPL2 532N1
CPL2 532N1 and CPL2 532N2 together are equivalent to CPL2 532
No credit will be given for this course unless both CPL2 532N1 and CPL2 532N2 are successfully completed in a twelve month period
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 533
Credit Weight: 3
Transcript Title: Developing Leadership Skills
Calendar Title: Developing Leadership Skills.
Description:
This course presents an overview of leadership theories and applications. It provides students with an understanding of why and how leadership skills are critical to organizational success. Students will learn to apply and develop their own leadership skills to work effectively with others in an organizational setting.
Notes:
Prerequisite: CORG 551
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Inactive

CPL2 534
Credit Weight: 3
Transcript Title: Leading in Div & Global Wrkplc
Calendar Title: Leading in Diverse and Global Workplaces.
Description:
Exploring leadership within a global and diverse context. A variety of trends that have made managing workforce diversity an essential competency for future leaders are reviewed, as are the emerging skills that managers need to develop to succeed
in a global environment.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance

**Status (catalog level):** Inactive

**CPL2 535**  
**Credit Weight:** 3  
**Transcript Title:** Bus in Emerging & Asian Mrkts  
**Calendar Title:** Business in Emerging and Asian Markets.

**Description:**  
This course provides a framework for analyzing the opportunities and risks of doing business in key emerging markets in Asia, Africa, and Latin America. Topics covered include international competitiveness, business ethics, corruption, cross-cultural management, social and environmental risk assessment, and real-life examples of corporate social responsibility.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship

**Status (catalog level):** Active

**CPL2 552**  
**Credit Weight:** 3  
**Transcript Title:** Strategic Management  
**Calendar Title:** Strategic Management.

**Description:**  
Includes analysis of major forces driving organizations, explores mission development, goal selection, corporate strategy, policy formulation for the benefit of all stakeholders. Discusses situations confronting senior managers in the competitive environment, includes topics such as the identification and evaluation of strategic alternatives, the management of control processes for increased productivity, etc.

**Notes:**  
Prerequisite: Advanced student

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship

**Status (catalog level):** Inactive

**CPL2 552J1**  
**Credit Weight:** 1  
**Transcript Title:** Strategic Management  
**Calendar Title:** Strategic Management.

**Description:**  
Includes analysis of major forces driving organizations, explores mission development, goal selection, corporate strategy, policy formulation for the benefit of all stakeholders. Discusses situations confronting senior managers in the competitive environment, includes topics such as the identification and evaluation of strategic alternatives, the management of control processes for increased productivity, etc.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship

**Status (catalog level):** Inactive

**CPL2 552J2**  
**Credit Weight:** 1  
**Transcript Title:** Strategic Management  
**Calendar Title:** Strategic Management.

**Description:**  
See CPL2 552J1 for course description.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CPL2 552J3
Credit Weight: 1
Transcript Title: Strategic Management
Calendar Title: Strategic Management.
Description: See CPL2 552J1 for course description.

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CPL2 552N1
Credit Weight: 1.5
Transcript Title: Strategic Management
Calendar Title: Strategic Management.
Description: Includes analysis of major forces driving organizations, explores mission development, goal selection, corporate strategy, policy formulation for the benefit of all stakeholders. Discusses situations confronting senior managers in the competitive environment, includes topics such as the identification and evaluation of strategic alternatives, the management of control processes for increased productivity, etc.
Notes: Prerequisite: Advanced student
Students must also register for CPL2 552N2
No credit will be given for this course unless both CPL2 552N1 and CPL2 552N2 are successfully completed in a twelve month period.

CPL2 552N1 and CPL2 552N2 together are equivalent to CPL2 552

CPL2 552N2
Credit Weight: 1.5
Transcript Title: Strategic Management
Calendar Title: Strategic Management.
Description: See CPL2 552N1 for description.
Notes: Prerequisite: CPL2 552N1
No credit will be given for this course unless both CPL2 552N1 and CPL2 552N2 are successfully completed in a twelve month period.

CPL2 552N1 and CPL2 552N2 together are equivalent to CPL2 552

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Inactive

CPL2 553
Credit Weight: 3
Transcript Title: Small Business Management
Calendar Title: Small Business Management.
Description: This course will focus on the concepts and activities of entrepreneurship in the
small business environment. Through the analysis of small business situations and the study of related case material, students will learn the fundamental actions required in practice to start and manage a small business. Skill acquisition will be oriented toward learning to prepare a business plan.

Notes:
Prerequisites: CACC 520 and CMR2 542
Administering Faculty: School of Continuing Studies
Teaching Department: Career & Professional Develop
Status (catalog level): Active

CPL2 554
Credit Weight: 3
Transcript Title: International Business Policy
Calendar Title: International Business Policy.
Description: Development and application of conceptual approaches to general management policy and strategy formulation in multinational enterprises. Alternative forms of international business involvement; location strategy; technology transfer; ownership strategy; planning for international divestment. Emphasis on developing practical skills, using case studies and simulated negotiating exercises.
Notes: Prerequisite: CPL2 524
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CPL2 590
Credit Weight: 3
Transcript Title: Topics in Intl. Business
Calendar Title: Topics in International Business.
Description: Specialized course covering an advanced topic in the international business area selected from current issues or themes in literature.
Notes: Prerequisite: CPL2 524
Note: Content vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CPL2 591
Credit Weight: 1
Transcript Title: Essentials Coaching Skills
Calendar Title: Essentials Coaching Skills.
Description: This course introduces principles and practices of coaching. It includes the CLEAR Coaching Model and fundamental coaching skills. The practical component offers participants the opportunity to learn, apply, and hone coaching skills for effective leadership in an organizational setting. The participants will be provided with specific templates, structures, and guidelines.
Notes: Restriction: Restricted to students in the Graduate Certificate in Leadership. Must be taken in the first term.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active
CPL2 592
Credit Weight: 1
Transcript Title: Perf & Dev Coaching Skills
Calendar Title: Performance and Developmental Coaching Skills.
Description:
This course deals with roles and responsibilities of coaching, change and transition issues, performance coaching and developmental coaching skills. As a key practical component of this course, participants will be given the opportunity to learn, apply, and hone coaching skills for effective leadership in an organizational setting.
Notes:
Prerequisite: CPL2 591
Restriction: Restricted to students in the Graduate Certificate in Leadership. The course must be taken in the first term.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 593
Credit Weight: 1
Transcript Title: Transformative Coaching Skills
Calendar Title: Transformative Coaching Skills.
Description:
This course complements the previous coaching courses. It incorporates coaching as a key component of leadership acumen. Students apply new tools and techniques to coach agile teams to high performance. Topics such as ethical issues, integral coaching and transformative coaching skills, using real-life examples, will also be discussed.
Notes:
Prerequisite: CPL2 592
Restriction: Restricted to students in the Graduate Certificate in Leadership.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595
Credit Weight: 3
Transcript Title: Topics in Leadership
Calendar Title: Topics in Leadership.
Description:
Specialized course covering an advanced topic in the leadership area selected from current issues or themes in literature.
Notes:
Note: Content will vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595D1
Credit Weight: 1.5
Transcript Title: Topics in Leadership
Calendar Title: Topics in Leadership.
Description:
Specialized course covering an advanced topic in the leadership area selected from current issues or themes in literature.
Notes:
Students must register for both CPL2 595D1 and CPL2 595D2
No credit will be given for this course unless both CPL2 595D1 and CPL2 595D2 are successfully completed in consecutive terms
CPL2 595D1 and CPL2 595D2 together are equivalent to CPL2 595

Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595D2
Credit Weight: 1.5
Transcript Title: Topics in Leadership
Calendar Title: Topics in Leadership.
Description:
See CPL2 595D1 for course description.
Notes:
Prerequisite: CPL2 595D1
No credit will be given for this course unless both CPL2 595D1 and CPL2 595D2 are successfully completed in consecutive terms

Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595J1
Credit Weight: 1
Transcript Title: Topics in Leadership
Calendar Title: Topics in Leadership.
Description:
Specialized course covering an advanced topic in the leadership area selected from current issues or themes in literature.

Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595J2
Credit Weight: 1
Transcript Title: Topics in Leadership
Calendar Title: Topics in Leadership.
Description:
For description see CPL2 595J1.

Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595J3
Credit Weight: 1
Transcript Title: Topics in Leadership
Calendar Title: Topics in Leadership.
Description:
For description see CPL2 595J1.

Administrating Faculty: School of Continuing Studies
Teaching Department: Administration & Governance
Status (catalog level): Active

CPL2 595N1
Credit Weight: 1.5
Transcript Title: Topics in Leadership  
Calendar Title: Topics in Leadership.  
Description:  
Specialized course covering an advanced topic in the leadership area selected from current issues or themes in literature.  
Notes:  
Students must also register for CPL2 595N2  
No credit will be given for this course unless both CPL2 595N1 and CPL2 595N2 are successfully completed in a twelve month period.  
CPL2 595N1 and CPL2 595N2 together are equivalent to CPL2 595.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Administration & Governance  
Status (catalog level): Active

CPL2 595N2  
Credit Weight: 1.5  
Transcript Title: Topics in Leadership  
Calendar Title: Topics in Leadership.  
Description:  
See CPL2 595N1 for description.  
Notes:  
Prerequisite: CPL2 595N1  
No credit will be given for this course unless both CPL2 595N1 and CPL2 595N2 are successfully completed in a twelve month period.  
CPL2 595N1 and CPL2 595N2 together are equivalent to CPL2 595.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Administration & Governance  
Status (catalog level): Active

CPL2 610  
Credit Weight: 3  
Transcript Title: Practical Communication and Presentation Skills  
Calendar Title: Practical Communication and Presentation Skills.  
Description:  
Overview of management skills pertaining to communication and networking in the workplace, including review of one's professional brand and career performance. Focus on preparing and delivering oral presentations for in-person, remote, and hybrid audiences; writing for business purposes such as reports; and creating business-related content for digital media.  
Notes:  
Not open to students who have taken CPL2 510.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Management & Entrepreneurship  
Status (catalog level): Active

CPL2 633  
Credit Weight: 3  
Transcript Title: Developing Leadership Skills  
Calendar Title: Developing Leadership Skills.  
Description:  
Exploration of how to lead organizations. Examination of why and how leadership skills are critical to organizational success. Application of leadership skills to work effectively with others in an organizational setting.  
Notes:  
Restrictions: Not open to students who have taken CPL2 533.  
Course may be offered in person or online with synchronous and asynchronous
components.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

CPL2 634  
**Credit Weight:** 3  
**Transcript Title:** Leading: Diverse & Inclusive Workplaces  
**Calendar Title:** Leading in Diverse and Inclusive Workplaces.  
**Description:** Exploration of how to successfully lead diverse and inclusive organizations. Analysis of a variety of trends that have made managing workforce diversity an essential competency for leaders to succeed in an inclusive environment.  
**Notes:** Restrictions: Not open to students who have taken CPL2 534. Course may be offered in person or online with synchronous and asynchronous components.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Administration & Governance  
**Status (catalog level):** Active

CPL2 652  
**Credit Weight:** 3  
**Transcript Title:** Strategic Management  
**Calendar Title:** Strategic Management.  
**Description:** Analysis of strategic thinking, problem-solving, decision-making in organizations in response to changing conditions. Exploration of directions and goals of private and public organizations, environments (social, political, technological, economic, and global factors), industry, and market structures, and organizational strengths and weaknesses that are critical for success in a changing environment.  
**Notes:** Restrictions: Not open to students who have taken CPL2 552, CPL2 552N1/N2, or CPL2 552J1/J2/J3. Course may be offered in person or online with synchronous and asynchronous components.

**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Management & Entrepreneurship  
**Status (catalog level):** Active
CPRL 214
Credit Weight: 3
Transcript Title: Applied PR Methods 1
Calendar Title: Applied Public Relations Methods 1.
Description:
Context, resources, learning activities, and guidance to conduct comprehensive, primary and secondary public relations research, and assess, edit, revise and proofread public relations materials for print, electronic and digital media.
Notes:
Corequisite: CPRL 223
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 220
Credit Weight: 3
Transcript Title: Fundamentals of Fund-Raising
Calendar Title: Fundamentals of Fund-Raising.
Description:
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 221
Credit Weight: 3
Transcript Title: Prof Comm. & Networking
Calendar Title: Professional Communication and Networking.
Description:
Fundamental theories and practices of communication and networking (internal and external) in the workplace. Writing, speaking, presentation and team interaction skills.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 223
Credit Weight: 3
Transcript Title: Basics of Public Relations
Calendar Title: Basics of Public Relations.
Description:
An overview of public relations theory, principles and practice, including the development of the discipline and its role in society, its function in different organizations, and the techniques used in the different sub-specialties of the field.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 224
Credit Weight: 3
Transcript Title: Applied PR Methods 2
Calendar Title: Applied Public Relations Methods 2.
Description: Analyze, plan, design and execute projects that extend and hone writing and presentation skills in a self-directed manner.
Notes: Prerequisites: CPRL 214 and CPRL 223
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 225
Credit Weight: 3
Transcript Title: Social & Traditional Media Rel
Calendar Title: Social and Traditional Media Relations.
Description: Organizations must communicate with diverse publics against the background of a rapidly changing media landscape. With the increasing presence of digital (including social) media, publics are both fragmenting and coalescing in new ways. This course will cover the context, theory and best practices that are evolving as a result.
Notes: Corequisites: CPRL 214 and CPRL 223
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 226
Credit Weight: 3
Transcript Title: Corporate Communications
Calendar Title: Corporate Communications.
Description: Issues and conditions affecting the communication of corporate issues and identity will be examined including corporate branding, financial communications, social responsibility, the reciprocal effects of internal and external publics, and planning and production of corporate communication vehicles.
Notes: Prerequisites: CPRL 214 and CPRL 223.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 227
Credit Weight: 3
Transcript Title: Internal Communication
Calendar Title: Internal Communication.
Description: An examination of how internal communication strategies are designed and implemented to ensure people within an organization work together effectively and efficiently to support the organization’s business plan, including the definition and purpose of internal communications that add value, as well as the communication needs of internal stakeholders.
Notes: Corequisites: CPRL 214 and CPRL 223
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 228  
Credit Weight: 3  
Transcript Title: Event Management  
Calendar Title: Event Management.  
Description: Effective use of public and media events for communication and relationship-building with key stakeholders, including research, identification of publics, design, timelines, logistics, protocol, speeches and programs, and dealing with suppliers, as well as promotion and evaluation of the event.  
Notes:  
Administering Faculty: School of Continuing Studies  
Teaching Department: Global & Strategic Comm.  
Status (catalog level): Active

CPRL 321  
Credit Weight: 3  
Transcript Title: PR Issues Management  
Calendar Title: PR Issues Management.  
Description: Mechanisms by which organizations participate in the public policy process will be examined through an understanding of the social and political contexts where public issues occur and the inherent communication processes at all levels and specifically dealing with the roles of lobbying, media relations and social responsibility.  
Notes: Prerequisites: EDEC 207 or CCOM 207 or CPRL 214; CPRL 223.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Global & Strategic Comm.  
Status (catalog level): Active

CPRL 322  
Credit Weight: 3  
Transcript Title: Cases in Public Relations  
Calendar Title: Cases in Public Relations.  
Description: Preparation of communication plans for organizations and current situations will provide the opportunity to apply the knowledge gained throughout the program. In addition, recent developments and methods in key areas of practice will be addressed.  
Notes: Prerequisites: CPRL 224 and CPRL 225 and [CPRL 226 or CPRL 227] and CPRL 320 and CPRL 321; or contact department for registration approval.  
Note: Students in their last semester may take CPRL 322 concurrently with the other courses they need to complete the certificate.  
Administering Faculty: School of Continuing Studies  
Teaching Department: Global & Strategic Comm.  
Status (catalog level): Active

CPRL 510  
Credit Weight: 3  
Transcript Title: Fundamentals of PR  
Calendar Title: Fundamentals of Public Relations.  
Description: Survey and history of public relations practice, its various sub-specialties and
its role in the organizational structure. Theories of communication and applications of theoretical knowledge in the field. Recent trends and best practices in both private and not-for-profit sectors. Professional ethics and associations.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Inactive

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**CPRL 515**

**Credit Weight:** 3

**Transcript Title:** Fund-raising and Philanthropy

**Calendar Title:** Fund-raising and Philanthropy.

**Description:** The organization as donor and as fund-raiser. Social, legal and regulatory context of fund-raising and corporate giving. Role and structure of foundations, government agencies and other donor organizations. Corporate community support. Fund-raising campaigns (planning and methods), donor relations, working with volunteer leadership, information management, ethics and accountability.

**Notes:**

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Inactive

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**CPRL 520**

**Credit Weight:** 3

**Transcript Title:** Applied PR Communication

**Calendar Title:** Applied Public Relations Communication.

**Description:** Identification, analysis and solution of communication problems in a variety of public relations contexts. Emphasis on planning, audience, research, content, effectiveness, language, editing and design of communication tools. Practical approaches to print and Internet communication, oral presentations, and writing for media.

**Notes:**

Corequisite: CPRL 510

Note: Given in a workshop setting, this course will allow students to improve their skills through practice, instructor feedback and peer evaluation. Owing to the nature of the subject matter, assignments must be submitted in English.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Inactive

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**CPRL 530**

**Credit Weight:** 3

**Transcript Title:** Internal Stakeholder Comm.

**Calendar Title:** Internal Stakeholder Communication.

**Description:** Communication with the full range of internal stakeholders, including employees, management, Board, volunteers and foundations, as well as audiences specific to the organization such as patients, students, members, etc. Topics include organizational culture, labour relations, mobilization of stakeholders and issues/change management (i.e. mergers, acquisitions, partnerships).

**Notes:**

Corequisites: CPRL 510 and CPRL 520

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Global & Strategic Comm.

**Status (catalog level):** Inactive
CPRL 531
Credit Weight: 3
Transcript Title: Media Context & Appl.
Calendar Title: Media Context and Applications.
Description:
Context in which media operate (regulation, ownership, practical constraints). Building relationships with journalists. Media theory and current trends in media uses and technology. Strategies and tools for communicating through media, including message development, spokesperson training and media events. Crisis and risk communications.
Notes:
Corequisites: CPRL 510 and CPRL 520
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CPRL 532
Credit Weight: 3
Transcript Title: PR Event Management
Calendar Title: Public Relations Event Management.
Description:
Management of events in support of strategic organizational objectives for relations with investors, clients, employees, government, media or community. Special events as part of public awareness or fund-raising programs. Topics include planning, budgeting, financial support, logistics, protocol, working with suppliers and partners, promotion and evaluation.
Notes:
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 533
Credit Weight: 3
Transcript Title: Commun in the Corporate Sector
Calendar Title: Communications in the Corporate Sector.
Description:
This course will provide exposure to issues and functions essential for practice in the corporate sector, issues management, crisis communications, financial communications, branding and reputation management, as well as communications related to mergers and acquisitions. It will also provide the basic financial literacy necessary for any communications management professional.
Notes:
Prerequisites: CPRL 510 and CPRL 520
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CPRL 534
Credit Weight: 3
Transcript Title: Com. in the NotForProfit Sect.
Calendar Title: Communications in the Not-For-Profit Sector.
Description:
This course will provide exposure to issues and stakeholders important to not-for-profit organizations: NGOs, charitable foundations, cultural organizations, health and education institutions and community organizations. It
will cover socio-political issues affecting these organizations as well as planning and methods for communications with donors, volunteers, regulators, funding agencies and corporate partners.

Notes:
Prerequisites: CPRL 510 and CPRL 520
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 535
Credit Weight: 3
Transcript Title: Public Opinion & Public Policy
Calendar Title: Public Opinion and Public Policy.
Description:
How organizations, voters, media and interest groups work to influence public policy, and how the efforts of each affect the others. Government relations at the political and public service level, including lobbying, advocacy, and regulatory issues. Coalition building. Public opinion research methods and theory. Media and democracy.
Notes:
Corequisite: CPRL 531
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 540
Credit Weight: 3
Transcript Title: Communication Planning
Calendar Title: Communication Planning.
Description:
Communication plans in real situations. Topics include environmental scanning, audits, strategy and implementation of plan, including timelines, budgeting, working with suppliers and consulting skills. Emphasis on evaluation and return on investment of communication.
Notes:
Prerequisites: CPRL 530 and CPRL 535
Note: Students will interact with practitioners in the field. Considerable time will be required outside of classroom hours, as students will work in teams against tight deadlines. It is recommended that students not take on a heavy course load during the term they take this course.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CPRL 541
Credit Weight: 3
Transcript Title: Ethics in Public Relations
Calendar Title: Ethics in Public Relations.
Description:
Public relations practitioner's role and influence in the ethical organization: corporate social responsibility, laws and regulations on governance, and public accountability. Legal and ethical behaviour related to sustainable development and globalization. The ethical public relations practitioner: professionalism, codes of ethics, issues in practice.
Notes:
Corequisites: CPRL 510 and CPRL 520
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CPRL 590
Credit Weight: 3
Transcript Title: Topics in Public Relations
Calendar Title: Topics in Public Relations.
Description:
Specialized course covering an advanced topic in the public relations management area selected from current issues or themes in literature.
Notes:
Prerequisites: CPRL 530 AND CPRL 531
Note: Content will vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Inactive

CPRL 610
Credit Weight: 3
Transcript Title: PR Fundamentals and Theory
Calendar Title: Public Relations Fundamentals and Theory.
Description:
Introduction to the field and contexts of public relations. Comprehensive overview and application of the theoretical underpinnings of public relations and communications practice. Focus on systems theories (including complexity and cybernetics), behavioural science and theories of persuasion, public opinion, organizational communication and sensemaking, and organizational culture. Application of public relations theory such as the excellence theory and four models of public relations.
Notes:
Restriction: Not open to students who have taken CPRL 510.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 620
Credit Weight: 3
Transcript Title: Content Creation for PR
Calendar Title: Content Creation for Public Relations.
Description:
Practice researching, conceptualizing, designing, and crafting visual, written and verbal messages and communication tools that align with organizational objectives for traditional, digital, social and emerging platforms for public relations purposes. Focus on skills needed to consistently express complex meaning through various channels for internal and external audiences and identifying the most appropriate channel for these audiences. Design and deliver in-person or virtual presentations.
Notes:
Corequisites: CPRL 510 or CPRL 610
Restrictions: Not open to students who have taken CPRL 520.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 630
Credit Weight: 3
Transcript Title: Internal Communications and Employee Engagement

Description: How organizations stay engaged with internal stakeholders including employees, management, board members and specific audiences such as patients, students. Overview on how to ensure effective internal communication; engaging employees as organizational ambassadors; organizational culture; communicating organizational values, priorities and initiatives through appropriate channels in alignment with the organization's mission; mobilizing internal stakeholders; issues and change management; maximizing employee engagement; and communicating effectively with remote and hybrid workforces.

Notes: Corequisites: (CPRL 510 or CPRL 610) and (CPRL 520 or CPRL 620)
Restrictions Not open to students who have taken CPRL 530.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 631
Credit Weight: 3

Transcript Title: Media and Influencer Relations

Calendar Title: Media and Influencer Relations

Description: Analysis of the context in which the media operates. Examination of how to build and maintain relationships with those working in traditional (e.g., journalists) and digital media (e.g., influencers, bloggers), and generate publicity through media channels. Media training to prepare media spokespersons, media events including media conferences, preparing tools for communicating through the media, and media monitoring techniques. How to develop a comprehensive media strategy and design of accompanying communication tools.

Notes: Corequisites: (CPRL 510 or CPRL 610) and (CPRL 520 or CPRL 620)
Restrictions Not open to students who have taken CPRL 531.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 633
Credit Weight: 3

Transcript Title: Corporate and Organizational Communications

Calendar Title: Corporate and Organizational Communications

Description: Study of communication in the corporate sector. Topics include corporate social responsibility, global communications, sociocultural and international diversity, financial communications including basic financial literacy such as interpreting and applying financial statements and other data, equity and diversity in the organization and communications related to mergers and acquisitions.

Notes: Restriction: Not open to students who have taken CPRL 533. Only open to students enrolled in the Graduate Certificate in Strategic Public Relations and Communications Management.

Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
Credit Weight: 3
Transcript Title: PR Measurement, Data & Analytics
Calendar Title: Public Relations Measurement, Data and Analytics.
Description:
How to use data, metrics, analytics and primary and secondary research in formulating, measuring and evaluating public relations strategies in each phase of the development process. Focus on formulating the measurement instruments needed to test effectiveness, and on interpreting and communicating the results thereof to management and other relevant stakeholders. The use of artificial intelligence (AI) in public relations such as in media monitoring, and how to collect, analyze and act on data of the attitudes and behaviours of key audiences.
Notes:
Corequisites: CPRL 533 or CPRL 633
Restrictions: Only open to students enrolled in the Graduate Certificate in Strategic Public Relations and Communications Management.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 641
Credit Weight: 3
Transcript Title: Ethics in Public Relations
Calendar Title: Ethics in Public Relations.
Description:
Examination of foundational ethics theories from other fields including philosophy, management, sociology and psychology, and their pertinence to public relations practice. Overview of the professional codes of conduct of various public relations associations, as well as laws pertaining to communications practice. Emphasis is on the relationship between truth and trust and their importance in public relationships, and on the consequences of ethical and non-ethical practices for organizational success, including corporate social responsibility.
Notes:
Restrictions: Not open to students who have taken CPRL 541.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 644
Credit Weight: 3
Transcript Title: Integrated Digital Commun.
Calendar Title: Integrated Digital Communications.
Description:
Preparation of an integrated digital communications campaign with specific focus on social media. Practice strategizing, conceptualizing, creating, implementing and measuring social media campaigns for public relations purposes. Creation of content strategies and calendars, and content for social media campaigns. Data collection, measurement and reporting of social and digital media campaigns.
Notes:
Corequisites: (CPRL 510 and CPRL 520) or (CPRL 610 and CPRL 620)
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPRL 690
Credit Weight: 3
Transcript Title: Special Topics: PR&Commun Mgmt
Calendar Title: Special Topics in PR and Communications Management.
Description:
Selected topics and current trends in public relations and communications management.
Notes:
Topics will vary by academic year.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active

CPR 691
Credit Weight: 3
Transcript Title: Communications Mgmt & Strategy
Calendar Title: Communications Management and Strategy.
Description:
Communications management and the development of public relations strategies in a real-world setting for internal and external audiences aligned to business goals, and related risks and opportunities. Cultivation of an awareness of organizations’ cultural, geographic and global contexts, and of audience diversity. Overview of advising organizational leaders on communications and management thereof.
Notes:
Corequisites: CPRL 633 and CPRL 636
Restrictions: Not open to students who have taken CPRL 540.
Administering Faculty: School of Continuing Studies
Teaching Department: Global & Strategic Comm.
Status (catalog level): Active
CSCI 010
Credit Weight: 3
Transcript Title: Fndns in General Biology 1
Calendar Title: Foundations in General Biology 1.
Description:
Notes:
Restriction: Not open to students who have taken CSCI 103.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CSCI 011
Credit Weight: 3
Transcript Title: Fndns of General Biology 2
Calendar Title: Foundations of General Biology 2.
Description:
Physiology, evolution and organization of living things and their biological structures and function; reproduction and basic genetic principles; mechanisms of evolution and the origins of diversity; ecosystems and the flow of chemicals through the environment.
Notes:
Prerequisite: CSCI 010
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CSCI 020
Credit Weight: 3
Transcript Title: Fndns in General Chemistry 1
Calendar Title: Foundations in General Chemistry 1.
Description:
The study of matter and energy and how they interact. A strong emphasis is placed on moles (and using them) and unit analysis (with unit conversion); how to read a periodic table; charge; the difference between ionic and covalent in bonding; chemical reactions.
Notes:
Restriction: Not open to students who have taken CSCI 101.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CSCI 021
Credit Weight: 3
Transcript Title: Fndns in General Chemistry 2
Calendar Title: Foundations in General Chemistry 2.
Description:
Principles of physics underlying all chemical interactions (ex. gas laws, enthalpy/entropy); chemical equilibrium, especially the aqueous solutions; thermochemistry; strong emphasis on laboratory techniques.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active
CSCI 022
Credit Weight: 3
Transcript Title: Fundamentals of Organic Chemistry
Calendar Title: Fundamentals of Organic Chemistry.
Description: Nature of organic compounds, functional groups, nomenclature, stereochemistry, bonding, reactivity and reaction mechanisms of alkanes, alkyl halides, alkenes, alkynes and benzene
Notes:
Prerequisite: CSCI 021
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CSCI 030
Credit Weight: 3
Transcript Title: Fundamentals of Physics - Mechanics
Calendar Title: Fundamentals of Physics - Mechanics.
Description: Basic principles of mechanics; kinematics, dynamics. Vectors, rectilinear motion. Newton's laws, gravitation, motion in a plane, work and energy theorem. Principles of conservation of energy and linear momentum.
Notes:
Restriction: Not open to students who have taken CSCI 102.
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CSCI 031
Credit Weight: 3
Transcript Title: Fundamentals of Physics - Waves & Optics
Calendar Title: Fundamentals of Physics - Waves and Optics.
Description: Oscillations, mechanical waves, optics; simple harmonic motion; waves in material media, including sound waves; beats and the Doppler effect; ray and wave optics.
Notes:
Prerequisite: CSCI 030
Administering Faculty: School of Continuing Studies
Teaching Department: Fac Partner & Summer Studies
Status (catalog level): Active

CSCI 040
Credit Weight: 3
Transcript Title: Basic Concepts in Math & Science
Calendar Title: Basic Concepts in Mathematics & Science.
Description: Basic content-based vocabulary for mathematics, biology, chemistry and physics.
Notes:
Students must meet the School of Continuing Studies' English Language Proficiency Requirement: https://www.mcgill.ca/continuingstudies/language-policy
1. This course must be taken before CSCI 041.
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active
CSCI 041
Credit Weight: 3
Transcript Title: Essential Communication Skills for STEM
Calendar Title: Essential Communication Skills for STEM.
Description: Essential content-based written and oral communication skills for mathematics, biology, chemistry and physics.
Notes: CSCI 040 and students must meet the School of Continuing Studies' English Language Proficiency Requirement: https://www.mcgill.ca/continuingstudies/language-policy
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CSCI 101
Credit Weight: 4
Transcript Title: General Chemistry
Calendar Title: General Chemistry.
Description: Analysis of chemical and physical changes in matter using concepts associated with the structure of atoms and molecules. Use of the probabilistic model of the atom in analyzing the properties of the elements. Structure and states of matter using modern theories of chemistry. Application of the laws of stoichiometry to the study of chemical phenomena. Verification through experimentation of the physical and chemical properties of matter.
Notes: Restrictions: Only open to students that are part of the NUin Canada study abroad program (Northeastern University visiting students)
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CSCI 102
Credit Weight: 4
Transcript Title: Physics - Science Mechanics
Calendar Title: Physics - Science Mechanics.
Notes: Corequisite: CMSC 300
Restrictions: Only open to students that are part of the NUin Canada study abroad program (Northeastern University visiting students)
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CSCI 103
Credit Weight: 4
Transcript Title: General Biology
Calendar Title: General Biology.
Description:
Basic mechanisms by which cells function in the fields of biochemistry, molecular biology and cell biology, and how current models and theories for these mechanisms have been developed. Cell communication in multicellular organisms. Applying the concept of homeostasis to the study of systems in animals and plants.

Notes:
Restrictions: Only open to students that are part of the NUin Canada study abroad program (Northeastern University visiting students)
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active

CSCI 104
Credit Weight: 3
Transcript Title: Introduction to Psychology
Calendar Title: Introduction to Psychology.
Description:
Overview of the scientific approach to the study of human behaviours. Interaction of factors that influence human behaviours. Methods and concepts of psychology applied to real life situations. Areas of specialization and major characteristics of psychological research. Biological bases of behaviour: (1) the nervous system and (2) genetics, motivation and emotion, memory. Perception and sensation, learning. Also covered: an overview of intelligence, consciousness, personality, social psychology, abnormal behaviour, development.

Notes:
Restriction: Only open to students that are part of the NUin Canada study abroad program (Northeastern University visiting students).
Administering Faculty: School of Continuing Studies
Teaching Department: Adaptive & Integrated Learning
Status (catalog level): Active
CSNM 605
Credit Weight: 3
Transcript Title: Dynamic Sply Networks Transfrm
Calendar Title: Dynamic Supply Networks Transformation.
Description: Evolution of the digital supply management landscape and the design and development of appropriate value benefits. Analysis of digital supply management transformation and drivers, including the impact of artificial intelligence, the metaverse, robotics, and climate change on the supply network.
Notes: Prerequisites: CMS2 500
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 608
Credit Weight: 3
Transcript Title: Dynamic Sply Networks Sustain
Calendar Title: Dynamic Supply Networks Sustainability.
Description: Analysis of the role of sustainability in supply management, with a focus on how environmental, social and governance (ESG) standards impact supply networks. Study of methodologies for creating sustainable supply management such as effective circularity practices, optimized carbon modelling techniques, effective diversity, equality and integration (DEI), and enhanced supplier relationships.
Notes: Prerequisites: CMS2 500
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 610
Credit Weight: 3
Transcript Title: Princ of Dynamic Sply Networks
Calendar Title: Principles of Dynamic Supply Networks.
Description: Examination of the underlying principles of supply networks and the associated performance measures. An introduction to best practices in the design of dynamic supply networks, and an overview of current trends in supply networks technologies.
Notes: Prerequisites: CMS2 500
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 612
Credit Weight: 3
Transcript Title: DynmcSplyNtrwrks Sourcng&Purchsg
Calendar Title: Dynamic Supply Networks Sourcing and Purchasing.
Description: Overview of the supplier selection process and supplier segmentation. Enabling strategic sourcing and supplier relationship management. Identifying methods to qualify optimal vendors and sustain the best relationship with suppliers.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CSNM 615
Credit Weight: 3
Transcript Title: Integrated Productn & Ops Mgmt
Calendar Title: Integrated Production and Operations Management.
Description:
Examination of the requirements for the use of products and services, procedures, and practices in logistics and supply network management. Focus on performance measures, optimization models, and simulation techniques. Technical review of dynamic modeling in network transportation systems, optimization of schedules, fleet assignment, routing, ordering, and irregular operations.
Notes:
Restrictions: Not open to students who have taken CMS2 515.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 620
Credit Weight: 3
Transcript Title: Dynmc Sply Ntwrks Data Analyt
Calendar Title: Dynamic Supply Networks Data Analytics.
Description:
Overview of predictive analytics using statistical models and forecasting, as well as prescriptive analytics using optimization and simulation, to improve shipment transparency, visibility, operational efficiency, and overall supply networks performance and resilience.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 630
Credit Weight: 3
Transcript Title: Glob Sply Mgmt&Intl Logistics
Calendar Title: Global Supply Management and International Logistics.
Description:
In-depth analysis of the sourcing and distribution practices of global business from an integrated supply network perspective. Topics include the sustainable management of materials, transportation and logistics strategies, and the development of transportation policies in alignment with production and marketing strategies.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 632
Credit Weight: 3
Transcript Title: Dynmc Sply Ntwrks&Lean Ops Sys
Calendar Title: Dynamic Supply Networks and Lean Operations Systems.
Description:
A comprehensive approach to creating robust supply networks using lean and agile techniques. Topics include redesigning factory measurements and dynamics, supply network variability, product-process portfolio matrices, push and pull production systems, capacity management in dynamic supply networks, and production execution technologies.
Notes:
Not open to students who have taken CMS2 532.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CSNM 635
Credit Weight: 3
Transcript Title: ESG in Integrated Sply Ntwrks
Calendar Title: ESG in Integrated Supply Networks.
Description: Consideration of environmental, social, and governance (ESG) frameworks for enabling companies to ensure that supply networks are environmentally sound, socially responsible, and well-governed. Topics include design of socially responsible supply networks, governance best practices, and sustainable sourcing.

CSNM 640
Credit Weight: 3
Transcript Title: Six-Sigma and Supply Networks
Calendar Title: Six-Sigma and Supply Networks.
Description: Examination of the Define, Measure, Analyze, Design, and Verify (DMADV) approach in transforming supply networks. Competencies such as digital dexterity and systems technology literacy that address advanced optimization and other analytical and automation solutions needed to design and operate resilient supply networks. Examining best practices in building the relationship between Lean and Six Sigma.
Notes: Restrictions: Not open to students who have taken CMS2 540.

CSNM 650
Credit Weight: 3
Transcript Title: Integrtd Sply Ntwrks Fld Proj
Calendar Title: Integrated Supply Networks Field Project.
Description: Integration and application of concepts and practices covered in the program through team-based industry-driven projects.
Notes: Corequisite: CSNM 615 and CSNM 635
Not open to students who have taken CMS2 550.

CSNM 690
Credit Weight: 3
Transcript Title: Special Topics:Supply Networks
Calendar Title: Special Topics in Supply Networks.
Description: Selected topics in supply network management.
Notes: 1. Topics vary from year to year.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CSPN 540
Credit Weight: 3
Transcript Title: Org Culture in the Hisp World
Calendar Title: Organizational Culture in the Hispanic World.
Description: Designed to give students insight into the various forms of organizational behaviour in the Hispanic world and provide its historic background. The implications of the essential concepts of social psychology such as motivation, perception and attitude change will be discussed. Classroom discussions and student participation are essential.
Notes: Language of instruction: Spanish
Prerequisite: Language Competence Exam or proof of equivalent
Administrating Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CSPN 541
Credit Weight: 3
Transcript Title: Lang & Culture for Prof Comm
Calendar Title: Language and Culture for Professional Communication.
Description: Concentrates on spoken Spanish for special purposes in social settings (e.g. tourism/banking/hotel) through rigorous practical exercises. Accurate interpretation and production of oral tracts routinely exchanged in social communication contexts. The course provides students with near-native control of the language system preparing them to meet most business and social demands.
Notes: Language of instruction: Spanish
Prerequisite: Language Competence Exam or proof of equivalent
Administrating Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CSPN 542
Credit Weight: 3
Transcript Title: Written Communication Contexts
Calendar Title: Written Communication Contexts.
Description: Study of the specific lexicons and effective writing strategies for special purposes (e.g. business, health care and social services). Analysis of writing problems. Systematic approach to planning, writing and revising texts routinely exchanged in professional communication in these contexts. Focus on clarity, conciseness, appropriate tone, protocol and purpose.
Notes: Language of instruction: Spanish
Prerequisite: CSPN 541
Administrating Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Active

CSPN 543
Credit Weight: 3
Transcript Title: Oral Communication Contexts
Calendar Title: Oral Communication Contexts.
Description: Designed to help students develop their oral communication competence at an
advanced level and in specific professional situations. Students will learn to perform complex tasks using suitable language and communication strategies, while respecting appropriate protocols.

**Notes:**
Language of instruction: Spanish
Prerequisite: CSPN 541

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Translation

**Status (catalog level):** Active

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**CSPN 544**

**Credit Weight:** 3

**Transcript Title:** Professional Discourse

**Calendar Title:** Professional Discourse.

**Description:**
Study of discourse used in simulated real-life situations. Analysis of the situational development to consolidate the linguistic accuracy and communicative proficiency acquired in earlier courses. Presentation of documented descriptions of procedures as final class project that may serve for future reference.

**Notes:**
Language of instruction: Spanish
Prerequisite: CSPN 541

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Translation

**Status (catalog level):** Active
CTPT 200
Credit Weight: 3
Transcript Title: Intro. to Supply Chain Mgmt
Calendar Title: Introduction to Supply Chain Management.
Description:
This course provides an overall perspective of various functions that exist within supply chains; macro processes and drivers as well as performance indicators along a supply chain are emphasized. Coordination issues are dealt with using a simulation game involving various supply chain stakeholders.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 201
Credit Weight: 3
Transcript Title: Sourcing
Calendar Title: Sourcing.
Description:
This course is a comprehensive review of sourcing, an important area of supply chain management. It covers four major components of sourcing: the in-house or outsource decisions, the supplier selection and evaluation processes, contract management and procurement processes. Case studies are used to illustrate implementation issues in sourcing.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 202
Credit Weight: 3
Transcript Title: Prod & Inv Planning&Control 1
Calendar Title: Production and Inventory Planning and Control 1.
Description:
This course emphasizes contemporary operational issues and techniques in manufacturing and service sectors. Topics include: production and service processes, lean manufacturing methods, total quality management, project management, supply and demand planning. Real-life examples and case studies are an integral part of the course.
Notes:
Corequisite: CMSC 000
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 206
Credit Weight: 3
Transcript Title: Transportation Mgmt. & Econ.
Calendar Title: Transportation Management and Economics.
Description:
This course focuses on freight transportation, with emphasis on trucking, rail and marine modes including intermodal. Furthermore, it focuses on management of the transportation function from a carrier perspective, including a basic understanding of the structure and regulation of the transportation industry and analysis of specific case examples.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
CTPT 208
Credit Weight: 3
Transcript Title: Fundamentals of Logistics
Calendar Title: Fundamentals of Logistics.
Description:
This course addresses the infrastructure required to support logistics activities and the flow of goods and information, including: traffic and transportation, warehousing, materials handling, inventory concepts, Logistics Information Systems, performance indicators, customer service and order processing.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 310
Credit Weight: 3
Transcript Title: Prod & Inv Planning&Control 2
Calendar Title: Production and Inventory Planning and Control 2.
Description:
This course focuses on the study of material flow processes by which products are created and delivered to customers. Topics include: aggregate planning, master scheduling, material requirements planning, capacity management, production activity control and inventory control. Computer-aided quantitative tools for decision-making and case analyses are used in the course.
Notes:
Prerequisites: CMSC 000, CTPT 202
Passing grade for prerequisite course CMSC 000 is B-.
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 311
Credit Weight: 3
Transcript Title: Supply Chain Risk Management
Calendar Title: Supply Chain Risk Management.
Description:
This course focuses on the use of available risk management techniques to deal with uncertainty in supply chains, covering issues such as identification of risks, analysis of risks, responding to risks including risk control and risk financing methods, operational and financial hedging and creating resilient supply chains.
Notes:
Prerequisite: CTPT 200
Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 410
Credit Weight: 3
Transcript Title: International Trade&Logistics
Calendar Title: International Trade and Logistics.
Description:
Fundamentals required to successfully bring goods to market on a global scale, primarily focusing on logistics trade environment, obstacles and documentation required in international trade, with a focus on parties involved in import/export, legislative and liability, terms of trade, international
cargo/cargo security and commercial documentation.

Notes:
Corequisite: CCLW 205

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active

CTPT 430
Credit Weight: 3
Transcript Title: Fund. of Integrated Bus. Syst.
Calendar Title: Fundamentals of Integrated Business Systems.

Description:
This course examines supply chain information systems in the context of enterprise resource planning (ERP) systems with applications in the manufacturing, retailing and distribution services sectors. Core business processes and transactions pertaining to supply chain management are identified and discussed in terms of relevant ERP modules.

Notes:
Prerequisites: CTPT 200, (CTPT 201 and CTPT 202) or (CTPT 206 and CTPT 208)

Administering Faculty: School of Continuing Studies
Teaching Department: Management & Entrepreneurship
Status (catalog level): Active
DENT 101J1
Credit Weight: 1.34
Transcript Title: Dentistry Apprenticeship 1
Calendar Title: Dentistry Apprenticeship 1.
Description:
Guiding and mentoring students in their transition from introduction to the practice of dentistry. Students transition from laypeople to dentists, promoting professionalism, a patient-centered approach, and self-reflection with dental management of medically compromised patients using introductory preclinical skills.
Notes:
Restriction: D.M.D. students only.
Students must also register for DENT 101J2 and DENT 101J3.
No credit will be given for this course unless DENT 101J1, DENT 101J2 and DENT 101J3 are all successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 101J2
Credit Weight: 1.33
Transcript Title: Dentistry Apprenticeship 1
Calendar Title: Dentistry Apprenticeship 1.
Description:
See DENT 101J1 for course description.
Notes:
Prerequisite: DENT 101J1.
Students must also register for DENT 101J3.
No credit will be given for this course unless DENT 101J1, DENT 101J2 and DENT 101J3 are all successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 101J3
Credit Weight: 1.33
Transcript Title: Dentistry Apprenticeship 1
Calendar Title: Dentistry Apprenticeship 1.
Description:
See DENT 101J1 for course description.
Notes:
Prerequisite: DENT 101J2.
No credit will be given for this course unless DENT 101J1, DENT 101J2 and DENT 101J3 are all successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 113
Credit Weight: 1
Transcript Title: Commun Oral Health Services 1
Calendar Title: Community Oral Health Services 1.
Description:
Introduction to the Oral Health Community Services Program. Understanding how to reduce disparities in access to oral health care services by underserved and underprivileged people. Enhance understanding of the inter-relationship between oral and general health.
Notes:
Restriction(s): Open to DMD students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 113D1
Credit Weight: 0.5
Transcript Title: Commun Oral Health Services 1
Calendar Title: Community Oral Health Services 1.
Description:
Introduction to the Oral Health Community Services Program. Understanding how to reduce disparities in access to oral health care services by underserved and underprivileged people. Enhance understanding of the inter-relationship between oral and general health.
Notes:
Students must register for both DENT 113D1 and DENT 113D2
No credit will be given for this course unless both DENT 113D1 and DENT 113D2 are successfully completed in consecutive terms
No credit will be given for this course unless both DENT 113D1 and DENT 113D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 113D2
Credit Weight: 0.5
Transcript Title: Commun Oral Health Services 1
Calendar Title: Community Oral Health Services 1.
Description:
Introduction to the Oral Health Community Services Program. Understanding how to reduce disparities in access to oral health care services by underserved and underprivileged people. Enhance understanding of the inter-relationship between oral and general health.
Notes:
Prerequisite: DENT 113D1
No credit will be given for this course unless both DENT 113D1 and DENT 113D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 125D1
Credit Weight: 0.5
Transcript Title: Oral Health Research 1
Calendar Title: Oral Health Research 1.
Description:
Introduction to health research with a focus on oral health research. Overview of research fundamentals through exposure to research activities at the Faculty of Dentistry. Exploring why research is important for clinical training.
Notes:
Restriction: Open to DMD students only.
Students must also register for DENT 125D2.
No credit will be given for this course unless both DENT 125D1 and DENT 125D2 are successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 125D2
Credit Weight: 0.5
Transcript Title: Oral Health Research 1
Calendar Title: Oral Health Research 1.
Description:
Introduction to health research with a focus on oral health research. Overview of research fundamentals through exposure to research activities at the Faculty of Dentistry. Exploring why research is important for clinical training.
Notes:
Prerequisite: DENT 125D1.
Open to DMD students only.
No credit will be given for this course unless both DENT 125D1 and DENT 125D2 are successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 206
Credit Weight: 0.5
Transcript Title: Social Justice Seminar 1
Calendar Title: Social Justice Seminar 1.
Description:
Introduction to social justice, equity, diversity, harm reduction, social-dynamics involved in the profession. Guided self-reflection, small group workshops, and placing dentistry within greater social context.
Notes:
Not open to students who have taken DENT 201
Restriction(s): D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 206D1
Credit Weight: 0.25
Transcript Title: Social Justice Seminar 1
Calendar Title: Social Justice Seminar 1.
Description:
Introduction to social justice, equity, diversity, harm reduction, social-dynamics involved in the profession. Guided self-reflection, small group workshops, and placing dentistry within greater social context.
Notes:
Students must register for both DENT 206D1 and DENT 206D2
No credit will be given for this course unless both DENT 206D1 and DENT 206D2 are successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 206D2
Credit Weight: 0.25
Transcript Title: Social Justice Seminar 1
Calendar Title: Social Justice Seminar 1.
Description:
Introduction to social justice, equity, diversity, harm reduction, social-dynamics involved in the profession. Guided self-reflection, small group workshops, and placing dentistry within greater social context.

Notes:
Prerequisite: DENT 206D1
No credit will be given for this course unless both DENT 206D1 and DENT 206D2 are successfully completed in consecutive terms

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 208D1
Credit Weight: 0.5
Transcript Title: Intro to Infection Prev&Contr
Calendar Title: Introduction to Infection Prevention and Control.
Description:
The use of routine infection control practices in dentistry, implementing practices aimed at preventing crosscontamination of the dental operatory, laboratory, shared clinic supplies, equipment and surfaces.

Notes:
Students must register for both DENT 208D1 and DENT 208D2
No credit will be given for this course unless both DENT 208D1 and DENT 208D2 are successfully completed in consecutive terms
Restriction: Open only to DMD II students

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 208D2
Credit Weight: 0.5
Transcript Title: Intro to Infection Prev&Contr
Calendar Title: Introduction to Infection Prevention and Control.
Description:
For description see DENT - 208D1.

Notes:
Prerequisite: DENT 208D1
No credit will be given for this course unless both DENT 208D1 and DENT 208D2 are successfully completed in consecutive terms
Restriction: Open only to DMD II students

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 210
Credit Weight: 1
Transcript Title: Intro to OralMed&OralDiagnosis
Calendar Title: Introduction to Oral Medicine and Oral Diagnosis.
Description:
Introduction to oral diagnosis and oral medicine of dentistry. Didactic component includes history taking, patient¿s workup, differential diagnosis, and treatment planning.

Notes:
Prerequisite(s): DENT 101J1/J2/J3.
Restriction(s): Open to DMD students only.
Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 213
Credit Weight: 1
Transcript Title: Commun Oral Health Services 2
Calendar Title: Community Oral Health Services 2.
Description:
Introduction to the Oral Health Community Services Program. Understanding how to reduce disparities in access to oral health care services by underserved and underprivileged people. Enhance understanding of the inter-relationship between oral and general health.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 213D1
Credit Weight: 0.5
Transcript Title: Commun Oral Health Services 2
Calendar Title: Community Oral Health Services 2.
Description:
Introduction to the Oral Health Community Services Program. Understanding how to reduce disparities in access to oral health care services by underserved and underprivileged people. Enhance understanding of the inter-relationship between oral and general health.
Notes:
Restriction(s): Open to DMD students only.
Prerequisite: DENT 213D1
No credit will be given for this course unless both DENT 213D1 and DENT 213D2 are successfully completed in consecutive terms
DENT 213D1 and DENT 213D2 together are equivalent to DENT 213
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 213D2
Credit Weight: 0.5
Transcript Title: Commun Oral Health Services 2
Calendar Title: Community Oral Health Services 2.
Description:
Introduction to the Oral Health Community Services Program. Understanding how to reduce disparities in access to oral health care services by underserved and underprivileged people. Enhance understanding of the inter-relationship between oral and general health.
Notes:
Restriction(s): Open to DMD students only.
No credit will be given for this course unless both DENT 213D1 and DENT 213D2 are successfully completed in consecutive terms
DENT 213D1 and DENT 213D2 together are equivalent to DENT 213
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 215D1
Credit Weight: 1.75
Transcript Title: Tooth Movement
Calendar Title: Tooth Movement.
Description:
Introduction to the basic concepts of Orthodontics and management of malocclusions with extensive laboratory and clinical activities.

Notes:
Students must register for both DENT 215D1 and DENT 215D2.
No credit will be given for this course unless both DENT 215D1 and DENT 215D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 215D2
Credit Weight: 1.75
Transcript Title: Tooth Movement
Calendar Title: Tooth Movement.
Description:
Introduction to the basic concepts of Orthodontics and management of malocclusions with extensive laboratory and clinical activities.

Notes:
Prerequisite: DENT 215D1
No credit will be given for this course unless both DENT 215D1 and DENT 215D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 217
Credit Weight: 7
Transcript Title: Foundations of Dentistry
Calendar Title: Foundations of Dentistry.
Description:
Introduction of the head and neck anatomy, growth, development of the oral-facial complex, and glands. It also deals with the basic sciences of pain, hard tissues, cariology, and infection control. Extensive head and neck anatomy laboratory work.

Notes:
Open to DMD students only.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 218D1
Credit Weight: 1.5
Transcript Title: Support Tissue
Calendar Title: Support Tissue.
Description:
Introduction to the normal and diseased pathways of periodontal structures. Clinical exercises on how to assess periodontal health.

Notes:
Students must also register for DENT 218D2.
No credit will be given for this course unless both DENT 218D1 and DENT 218D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 218D2  
Credit Weight: 1.5  
Transcript Title: Support Tissue  
Calendar Title: Support Tissue.  
Description: Introduction to the normal and diseased pathways of periodontal structures. Clinical exercises on how to assess periodontal health.  
Notes: Prerequisite: DENT 218D1  
No credit will be given for this course unless both DENT 218D1 and DENT 218D2 are successfully completed in consecutive terms.  
Restriction: Open to D.M.D. students only.

DENT 220D1  
Credit Weight: 5  
Transcript Title: Intro to Restorative Dentistry  
Calendar Title: Introduction to Restorative Dentistry.  
Description: Introduction to pre-clinical dental activities including training in restorative dentistry, fixed prosthodontics and operative dentistry. Extensive laboratory work in a pre-clinical dental setting is involved.  
Notes: Students must also register for DENT 220D2.  
No credit will be given for this course unless both DENT 220D1 and DENT 220D2 are successfully completed in consecutive terms.  
Restriction: Open to D.M.D. students only.

DENT 221D1  
Credit Weight: 2.5
Transcript Title: Tooth Loss
Calendar Title: Tooth Loss.
Description:
Introduction to the concept of edentulism, including both partial and complete restorative solutions for edentulous spaces within the oral cavity. Extensive laboratory and clinical components are involved.
Notes:
Students must also register for DENT 221D2.
No credit will be given for this course unless both DENT 221D1 and DENT 221D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 221D2
Credit Weight: 2.5
Transcript Title: Tooth Loss
Calendar Title: Tooth Loss.
Description:
Introduction to the concept of edentulism, including both partial and complete restorative solutions for edentulous spaces within the oral cavity. Extensive laboratory and clinical components are involved.
Notes:
No credit will be given for this course unless both DENT 221D1 and DENT 221D2 are successfully completed in consecutive terms.
Open to DMD students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 222D1
Credit Weight: 1.5
Transcript Title: Radiology
Calendar Title: Radiology.
Description:
Physics and biologic effects of radiation, radiation protection, imaging principles and techniques and radiographic interpretation of caries, periodontal and periapical disease.
Notes:
Students must also register for DENT 222D2.
No credit will be given for this course unless both DENT 222D1 and DENT 222D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 222D2
Credit Weight: 1.5
Transcript Title: Radiology
Calendar Title: Radiology.
Description:
Physics and biologic effects of radiation, radiation protection, imaging principles and techniques and radiographic interpretation of caries, periodontal and periapical disease.
Notes:
Prerequisite: DENT 222D1
No credit will be given for this course unless both DENT 222D1 and DENT 222D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 224D1
Credit Weight: 1.5
Transcript Title: Transition to Clinic
Calendar Title: Transition to Clinic.
Description:
Introduction to the clinical environment following preclinical work, including the implementation of theoretical knowledge of different areas of dentistry while addressing patient care, infection control, and anesthetics needs.
Notes:
Students must also register for DENT 224D2.
No credit will be given for this course unless both DENT 224D1 and DENT 224D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 224D2
Credit Weight: 1.5
Transcript Title: Transition to Clinic
Calendar Title: Transition to Clinic.
Description:
See DENT 224D1 for course description.
Notes:
No credit will be given for this course unless both DENT 224D1 and DENT 224D2 are successfully completed in consecutive terms.
Prerequisite: DENT 224D1.
Restriction: Open to D.M.D. students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 225
Credit Weight: 2
Transcript Title: Oral Health Research 2
Calendar Title: Oral Health Research 2.
Description:
Developing familiarity with oral health research, from research design to hands on experience in conducting research with relevance to clinical dental training.
Notes:
Restriction: Open to D.M.D. students only.
Prerequisite(s): DENT 125D1/D2
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 225D1
Credit Weight: 1
Transcript Title: Oral Health Research 2
Calendar Title: Oral Health Research 2.
Description:
Developing familiarity with oral health research, from research design to hands on experience in conducting research with relevance to clinical dental training.
Notes:
Students must also register for DENT 225D2.
No credit will be given for this course unless both DENT 225D1 and DENT 225D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Prerequisite(s): DENT 125D1/D2
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 225D2
Credit Weight: 1
Transcript Title: Oral Health Research 2
Calendar Title: Oral Health Research 2.
Description:
See DENT 225D1 for course description.
Notes:
Prerequisite: DENT 225D1
No credit will be given for this course unless both DENT 225D1 and DENT 225D2 are successfully completed in consecutive terms.
Restriction: Open to D.M.D. students only.
Prerequisite(s): DENT 125D1/D2
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 305D1
Credit Weight: 1
Transcript Title: Dental Public Health
Calendar Title: Dental Public Health.
Description:
Oral health promotion in the community, dentist-patient relationship and communication with an emphasis on the needs of underserved populations.
Notes:
Students must also register for DENT 305D2
No credit will be given for this course unless both DENT 305D1 and DENT 305D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 305D2
Credit Weight: 1
Transcript Title: Dental Public Health
Calendar Title: Dental Public Health.
Description:
See DENT 305D1 for course description.
Notes:
Prerequisite: DENT 305D1
No credit will be given for this course unless both DENT 305D1 and DENT 305D2 are successfully completed in consecutive terms.
successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS  
**Teaching Department:** Dental Med & Oral Health Sci  
**Status (catalog level):** Active

**DENT 306D1**  
**Credit Weight:** 0.25  
**Transcript Title:** Social Justice Seminar 2  
**Calendar Title:** Social Justice Seminar 2.  
**Description:** Further training on ethics as it relates to the profession. Guiding dental students, through scenario-based and case analysis workshops, on navigating ethical dilemmas in entering patient-care years of the DMD curriculum.  
**Notes:**  
Prerequisite(s): DENT 206  
Students must register for both DENT 306D1 and DENT 306D2  
No credit will be given for this course unless both DENT 306D1 and DENT 306D2 are successfully completed in consecutive terms  
Restriction(s): DMD students only  

**DENT 306D2**  
**Credit Weight:** 0.25  
**Transcript Title:** Social Justice Seminar 2  
**Calendar Title:** Social Justice Seminar 2.  
**Description:** Further training on ethics as it relates to the profession. Guiding dental students, through scenario-based and case analysis workshops, on navigating ethical dilemmas in entering patient-care years of the DMD curriculum.  
**Notes:**  
Prerequisite(s): DENT 206 and DENT 306D1  
No credit will be given for this course unless both DENT 306D1 and DENT 306D2 are successfully completed in consecutive terms  
Restriction(s): DMD students only  

**DENT 307D1**  
**Credit Weight:** 1  
**Transcript Title:** Business Aspects of Dentistry  
**Calendar Title:** Business Aspects of Dentistry.  
**Description:** Explores concepts related to the business aspects of dentistry.  
**Notes:**  
Students must register for both DENT 307D1 and DENT 307D2  
No credit will be given for this course unless both DENT 307D1 and DENT 307D2 are successfully completed in consecutive terms  

**DENT 307D2**  
**Credit Weight:** 1  
**Transcript Title:** Business Aspects of Dentistry
**Calendar Title:** Business Aspects of Dentistry.

**Description:**
See DENT 307D1 for description.

**Notes:**
Prerequisite: DENT 307D1
No credit will be given for this course unless both DENT 307D1 and DENT 307D2 are successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 309**

**Credit Weight:** 5

**Transcript Title:** Implantology

**Calendar Title:** Implantology.

**Description:**
Diagnosis, treatment planning, radiographic analysis and surgical and restorative procedures to restore partial and complete edentulous spaces. Treatment of partial or complete edentulism with removable as well as fixed prostheses of either soft tissue or implant borne or partially or completely supported by titanium implants.

**Notes:**
Restriction(s): Open to DMD students only.

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 309J1**

**Credit Weight:** 1.67

**Transcript Title:** Implantology

**Calendar Title:** Implantology.

**Description:**
Diagnosis, treatment planning, radiographic analysis and surgical and restorative procedures to restore partial and complete edentulous spaces. Treatment of partial or complete edentulism with removable as well as fixed prostheses of either soft tissue or implant borne or partially or completely supported by titanium implants.

**Notes:**
Restriction(s): Open to DMD students only.
Students must also register for DENT 309J2, and DENT 309J3
No credit will be given for this course unless DENT 309J1, DENT 309 J2 and DENT 309J3 are successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 309J2**

**Credit Weight:** 1.67

**Transcript Title:** Implantology

**Calendar Title:** Implantology.

**Description:**
Diagnosis, treatment planning, radiographic analysis and surgical and restorative procedures to restore partial and complete edentulous spaces. Treatment of partial or complete edentulism with removable as well as fixed prostheses of either soft tissue or implant borne or partially or completely supported by titanium implants.

**Notes:**
Restriction(s): Open to DMD students only.
Prerequisite: DENT 309J1
Students must also register for DENT 309J3
No credit will be given for this course unless DENT 309J1, DENT 309 J2 and DENT 309J3 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 309J3
Credit Weight: 1.66
Transcript Title: Implantology
Calendar Title: Implantology.
Description:
Diagnosis, treatment planning, radiographic analysis and surgical and restorative procedures to restore partial and complete edentulous spaces. Treatment of partial or complete edentulism with removable as well as fixed prostheses of either soft tissue or implant borne or partially or completely supported by titanium implants.
Notes:
Restriction(s): Open to DMD students only.
Prerequisite: DENT 309J2
No credit will be given for this course unless DENT 309J1, DENT 309 J2 and DENT 309J3 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 310J1
Credit Weight: 1.33
Transcript Title: Clinical Practice/Jr Clerkship
Calendar Title: Clinical Practice/Junior Clerkship.
Description:
Introduction to clinical dentistry in a multidisciplinary environment with emphasis on information gathering, diagnosis, treatment planning and acquisition of basic clinical skills.
Notes:
Students must also register for DENT 310J2 and DENT 310J3
No credit will be given for this course unless DENT 310J1, DENT 310J2 and DENT 310J3 are all successfully completed in consecutive terms
Restriction: Not open to students who have taken DENT 314.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 310J2
Credit Weight: 1.33
Transcript Title: Clinical Practice/Jr Clerkship
Calendar Title: Clinical Practice/Junior Clerkship.
Description:
See DENT 310J1 for course description.
Notes:
Prerequisite: DENT 310J1
Students must also register for DENT 310J3
No credit will be given for this course unless DENT 310J1, DENT 310J2 and DENT 310J3 are all successfully completed in consecutive terms
Restriction: Not open to students who have taken DENT 314.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 310J3
Credit Weight: 1.34
Transcript Title: Clinical Practice/Jr Clerkship
Calendar Title: Clinical Practice/Junior Clerkship.
Description: See DENT 310J1 for course description.
Notes:
Prerequisite: DENT 310J2
No credit will be given for this course unless DENT 310J1, DENT 310J2 and DENT 310J3 are all successfully completed in consecutive terms
Restriction: Not open to students who have taken DENT 314.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 311J1
Credit Weight: 1.83
Transcript Title: Endodontics 1
Calendar Title: Endodontics 1.
Description: Preclinical laboratory techniques on extracted and artificial teeth, rationale of endodontic therapy, anatomy, diagnosis and management of pulpal and periapical pathology including root canal preparation, obturation, periapical surgery, retropreps, apexogenesis, and trauma.
Notes:
Students must also register for DENT 311J2 and DENT 311J3
No credit will be given for this course unless DENT 311J1, DENT 311J2 and DENT 311J3 are all successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 311J2
Credit Weight: 1.83
Transcript Title: Endodontics 1
Calendar Title: Endodontics 1.
Description: See DENT 311J1 for course description.
Notes:
Prerequisite: DENT 311J1
Students must also register for DENT 311J3
No credit will be given for this course unless DENT 311J1, DENT 311J2 and DENT 311J3 are all successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 311J3
Credit Weight: 1.84
Transcript Title: Endodontics 1
Calendar Title: Endodontics 1.
Description: See DENT 311J1 for course description.
Notes:
Prerequisite: DENT 311J2
No credit will be given for this course unless DENT 311J1, DENT 311J2 and DENT 311J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 312
Credit Weight: 4
Transcript Title: Summer Clinic Externship
Calendar Title: Summer Clinic Externship.
Description: Treatment and management of patients, including patients with handicaps.
Notes: Prerequisite: DENT 310

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 313D1
Credit Weight: 1.5
Transcript Title: Commun Oral Health Services 3
Calendar Title: Community Oral Health Services 3.
Description: Understanding and implementing methods to reduce disparities in access to oral health care services by underserved and underprivileged people. Develop advanced understanding of the inter-relationship between oral and general health
Notes: Restriction(s): Open to DMD students only.
Students must also register for both DENT 313D1 and DENT 313D2 terms
No credit will be given for this course unless both DENT 313D1 and DENT 313D2 are successfully completed in consecutive

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 313D2
Credit Weight: 1.5
Transcript Title: Commun Oral Health Services 3
Calendar Title: Community Oral Health Services 3.
Description: Understanding and implementing methods to reduce disparities in access to oral health care services by underserved and underprivileged people. Develop advanced understanding of the inter-relationship between oral and general health
Notes: Restriction(s): Open to DMD students only.
Prerequisite: DENT 313D1
No credit will be given for this course unless both DENT 313D1 and DENT 313D2 are successfully completed in consecutive

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 315J1
Credit Weight: 2
Transcript Title: Orthodontics 1
Calendar Title: Orthodontics 1.
Description: Basic principles of growth and development, diagnosis, basic orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments while assisting senior students.
Notes: Students must also register for DENT 315J2 and DENT 315J3. No credit will be given for this course unless DENT 315J1, DENT 315J2 and DENT 315J3 are all successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 315J2
Credit Weight: 2
Transcript Title: Orthodontics 1
Calendar Title: Orthodontics 1.
Description: See DENT 315J1 for course description.
Notes: Prerequisite: DENT 315J1. Students must also register for DENT 315J3. No credit will be given for this course unless DENT 315J1, DENT 315J2 and DENT 315J3 are all successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 315J3
Credit Weight: 2
Transcript Title: Orthodontics 1
Calendar Title: Orthodontics 1.
Description: See DENT 315J1 for course description.
Notes: Prerequisite: DENT 315J2. Students must also register for DENT 315J3. No credit will be given for this course unless DENT 315J1, DENT 315J2 and DENT 315J3 are all successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 316D1
Credit Weight: 3.5
Transcript Title: Pediatric Dentistry 1
Calendar Title: Pediatric Dentistry 1.
Description: Oral health, oral medicine, prevention, and management of oral disease including restorative procedures in children.
Notes: Students must register for both DENT 316D1 and DENT 316D2. No credit will be given for this course unless both DENT 316D1 and DENT 316D2 are successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
DENT 316D2
Credit Weight: 3.5
Transcript Title: Pediatric Dentistry 1
Calendar Title: Pediatric Dentistry 1.
Description:
See DENT 316D1 for course description.
Notes:
Prerequisite: DENT 316D1
No credit will be given for this course unless both DENT 316D1 and DENT 316D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 317D1
Credit Weight: 1.5
Transcript Title: Oral Pathology and Medicine
Calendar Title: Oral Pathology and Medicine.
Description:
The nature, identification, and management of diseases affecting the oral and maxillofacial regions.
Notes:
Students must register for both DENT 317D1 and DENT 317D2.
No credit will be given for this course unless both DENT 317D1 and DENT 317D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 317D2
Credit Weight: 1.5
Transcript Title: Oral Pathology and Medicine
Calendar Title: Oral Pathology and Medicine.
Description:
See DENT 317D1 for course description.
Notes:
Prerequisite: DENT 317D1
No credit will be given for this course unless both DENT 317D1 and DENT 317D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 317J1
Credit Weight: 1
Transcript Title: Oral Pathology and Medicine
Calendar Title: Oral Pathology and Medicine.
Description:
The nature, identification, and management of diseases affecting the oral and maxillofacial regions.
Notes:
Students must also register for DENT 317J2 and DENT 317J3
No credit will be given for this course unless DENT 317J1, DENT 317J2 and DENT 317J3 are all successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci  
**Status (catalog level):** Active

**DENT 317J2**  
**Credit Weight:** 1  
**Transcript Title:** Oral Pathology and Medicine  
**Calendar Title:** Oral Pathology and Medicine.  
**Description:**  
For description see DENT 317J1.  
**Notes:**  
Prerequisite: DENT 317J1  
Students must also register for DENT 317J3  
No credit will be given for this course unless DENT 317J1, DENT 317J2 and DENT 317J3 are all successfully completed in consecutive terms  
**Administering Faculty:** Fac Dental Medicine & Oral HS  
**Teaching Department:** Dental Med & Oral Health Sci  
**Status (catalog level):** Active

**DENT 317J3**  
**Credit Weight:** 1  
**Transcript Title:** Oral Pathology and Medicine  
**Calendar Title:** Oral Pathology and Medicine.  
**Description:**  
For description see DENT 317J1.  
**Notes:**  
Prerequisite: DENT 317J2  
Students must also register for DENT 317J3  
No credit will be given for this course unless DENT 317J1, DENT 317J2 and DENT 317J3 are all successfully completed in consecutive terms  
**Administering Faculty:** Fac Dental Medicine & Oral HS  
**Teaching Department:** Dental Med & Oral Health Sci  
**Status (catalog level):** Active

**DENT 318J1**  
**Credit Weight:** 1.33  
**Transcript Title:** Periodontology  
**Calendar Title:** Periodontology.  
**Description:**  
Examination, diagnosis, treatment planning and introduction to clinical management of periodontal diseases.  
**Notes:**  
Students must also register for DENT 318J2 and DENT 318J3  
No credit will be given for this course unless DENT 318J1, DENT 318J2 and DENT 318J3 are all successfully completed in consecutive terms  
**Administering Faculty:** Fac Dental Medicine & Oral HS  
**Teaching Department:** Dental Med & Oral Health Sci  
**Status (catalog level):** Active

**DENT 318J2**  
**Credit Weight:** 1.33  
**Transcript Title:** Periodontology  
**Calendar Title:** Periodontology.  
**Description:**  
See DENT 318J1 for course description.  
**Notes:**  
Prerequisite: DENT 318J1  
Students must also register for DENT 318J3
No credit will be given for this course unless DENT 318J1, DENT 318J2 and DENT 318J3 are all successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 318J3**

**Credit Weight:** 1.34

**Transcript Title:** Periodontology

**Calendar Title:** Periodontology.

**Description:**
See DENT 318J1 for course description.

**Notes:**
Prerequisite: DENT 318J2

No credit will be given for this course unless DENT 318J1, DENT 318J2 and DENT 318J3 are all successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 319D1**

**Credit Weight:** 1.5

**Transcript Title:** Dental Pharmacology

**Calendar Title:** Dental Pharmacology.

**Description:**
A study of the drugs that have special application to dentistry including general anaesthesia.

**Notes:**
Students must register for both DENT 319D1 and DENT 319D2.

No credit will be given for this course unless both DENT 319D1 and DENT 319D2 are successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 319D2**

**Credit Weight:** 1.5

**Transcript Title:** Dental Pharmacology

**Calendar Title:** Dental Pharmacology.

**Description:**
See DENT 319D1 for course description.

**Notes:**
Prerequisite: DENT 319D1

No credit will be given for this course unless both DENT 319D1 and DENT 319D2 are successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 319J1**

**Credit Weight:** 1

**Transcript Title:** Dental Pharmacology

**Calendar Title:** Dental Pharmacology.

**Description:**
A study of the drugs that have special application to dentistry including general anaesthesia.
Notes:
Students must also register for DENT 319J2 and DENT 319J3
No credit will be given for this course unless DENT 319J1, DENT 319J2 and DENT 319J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 319J2
Credit Weight: 1
Transcript Title: Dental Pharmacology
Calendar Title: Dental Pharmacology.
Description:
For description see DENT 319J1.
Notes:
Prerequisite: DENT 319J1
Students must also register for DENT 319J3
No credit will be given for this course unless DENT 319J1, DENT 319J2 and DENT 319J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 319J3
Credit Weight: 1
Transcript Title: Dental Pharmacology
Calendar Title: Dental Pharmacology.
Description:
For description see DENT 319J1.
Notes:
Prerequisite: DENT 319J2
No credit will be given for this course unless DENT 319J1, DENT 319J2 and DENT 319J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 320
Credit Weight: 6
Transcript Title: Restorative Dentistry
Calendar Title: Restorative Dentistry.
Description:
Diagnosis, treatment planning and restorative procedures to prevent deterioration of healthy teeth and to restore diseased, damaged, worn or lost teeth by means of direct and indirect operative restorations, and fixed, removable and implant prosthodontics.
Notes:
Restrictions: Not open to students who have taken DENT 320D1/D2, DENT 321D1/D2, DENT 336D1/D2, DENT 339D1/D2.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 320J1
Credit Weight: 2
Transcript Title: Restorative Dentistry
Calendar Title: Restorative Dentistry.
Description:
Diagnosis, treatment planning and restorative procedures to prevent deterioration of healthy teeth and to restore diseased, damaged, worn or lost teeth by means of direct and indirect operative restorations, and fixed, removable and implant prosthodontics.
Notes:
Students must also register for DENT 106J2 and DENT 106J3
No credit will be given for this course unless DENT 106J1, DENT 106J2 and DENT 106J3 are all successfully completed in consecutive terms
Restrictions: Not open to students who have taken DENT 320D1/D2, DENT 321D1/D2, DENT 336D1/D2, DENT 339D1/D2.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 320J2
Credit Weight: 2
Transcript Title: Restorative Dentistry
Calendar Title: Restorative Dentistry.
Description:
See DENT 320J1 for course description.
Notes:
Prerequisite: DENT 106J1
Students must also register for DENT 106J3
No credit will be given for this course unless DENT 106J1, DENT 106J2 and DENT 106J3 are all successfully completed in consecutive terms
Restrictions: Not open to students who have taken DENT 320D1/D2, DENT 321D1/D2, DENT 336D1/D2, DENT 339D1/D2.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 320J3
Credit Weight: 2
Transcript Title: Restorative Dentistry
Calendar Title: Restorative Dentistry.
Description:
See DENT 320J1 for course description.
Notes:
Prerequisite: DENT 106J2
Students must also register for DENT 106J3
No credit will be given for this course unless DENT 106J1, DENT 106J2 and DENT 106J3 are all successfully completed in consecutive terms
Restrictions: Not open to students who have taken DENT 320D1/D2, DENT 321D1/D2, DENT 336D1/D2, DENT 339D1/D2.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 322J1
Credit Weight: 0.67
Transcript Title: Image Interpretation
Calendar Title: Image Interpretation.
Description:
Image interpretations of various conditions affecting the head and neck region and clinical rotation in oral diagnosis and radiology.
Notes:
Restriction: Not open to students who have taken DENT 322.
Students must also register for DENT 322J2, and DENT 322J3
No credit will be given for this course unless DENT 322J1, DENT 322J2 and DENT 322J3 are all successfully completed in consecutive terms

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 322J2
Credit Weight: 0.67
Transcript Title: Image Interpretation
Calendar Title: Image Interpretation.
Description:
See description of DENT 322J1.
Notes:
Restriction: Not open to students who have taken DENT 322.
Prerequisite: DENT 322J1
Students must also register for DENT 322J3
No credit will be given for this course unless DENT 322J1, DENT 322J2 and DENT 322J3 are all successfully completed in consecutive terms

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 322J3
Credit Weight: 0.66
Transcript Title: Image Interpretation
Calendar Title: Image Interpretation.
Description:
See description of DENT 322J1.
Notes:
Restriction: Not open to students who have taken DENT 322.
Prerequisite: DENT 322J2
Students must also register for DENT 322J3
No credit will be given for this course unless DENT 322J1, DENT 322J2 and DENT 322J3 are all successfully completed in consecutive terms

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 323
Credit Weight: 2
Transcript Title: Oral and Maxillofacial Surgery
Calendar Title: Oral and Maxillofacial Surgery.
Description:
Diagnosis and management of the oral surgical problems encountered in general practice and exodontia clinical rotation.

Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 323J1
Credit Weight: 0.7
Transcript Title: Oral and Maxillofacial Surgery
Calendar Title: Oral and Maxillofacial Surgery.
Description:
Diagnosis and management of the oral surgical problems encountered in general practice and exodontia clinical rotation.

Notes:
Students must also register for DENT 323J2 and DENT 323J3
No credit will be given for this course unless DENT 323J1, DENT 323J2 and DENT 323J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 323J2
Credit Weight: 0.7
Transcript Title: Oral and Maxillofacial Surgery
Calendar Title: Oral and Maxillofacial Surgery.
Description:
See DENT 323J1 for course description.
Notes:
Prerequisite: DENT 323J1
Students must also register for DENT 323J3
No credit will be given for this course unless DENT 323J1, DENT 323J2 and DENT 323J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 323J3
Credit Weight: 0.6
Transcript Title: Oral and Maxillofacial Surgery
Calendar Title: Oral and Maxillofacial Surgery.
Description:
See DENT 323J1 for course description.
Notes:
Prerequisite: DENT 323J2
No credit will be given for this course unless DENT 323J1, DENT 323J2 and DENT 323J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 325D1
Credit Weight: 1
Transcript Title: Oral Health Research 3
Calendar Title: Oral Health Research 3.
Description:
Continuation of Oral Health Research 1 and 2. Hands-on research and implementation of methodology learned in pre-requisite courses through small scale research project. Students will also work with a faculty supervisor or a graduate student mentor.
Notes:
Students must register for both DENT 325D1 and DENT 325D2.
No credit will be given for this course unless both DENT 325D1 and DENT 325D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
DENT 325D2
Credit Weight: 1
Transcript Title: Oral Health Research 3
Calendar Title: Oral Health Research 3.
Description:
Continuation of Oral Health Research 1 and 2. Hands-on research and implementation of methodology learned in pre-requisite courses through small scale research project. Students will also work with a faculty supervisor or a graduate student mentor.
Notes:
Prerequisite: DENT 325D1
No credit will be given for this course unless both DENT 325D1 and DENT 325D2 are successfully completed in consecutive terms.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 326
Credit Weight: 0
Transcript Title: Pediatric Dentistry Externship
Calendar Title: Pediatric Dentistry Externship.
Description:
Manage simple behavioural issues during the dental treatment of children. Recognize common dental problems in young children and recommend treatment. Provide preventive and restorative care for paediatric patients. Discuss and manage paediatric dental emergencies.
Notes:
Restriction(s): Open to DMD III students during summer term only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 337
Credit Weight: 2
Transcript Title: Clinical Decision Making
Calendar Title: Clinical Decision Making.
Description:
Development of a treatment plan for patients requiring complete mouth restoration involving multidiscipline restorative procedures with an emphasis on clinical decision making.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 406D1
Credit Weight: 0.25
Transcript Title: Ethics and Jurisprudence
Calendar Title: Ethics and Jurisprudence.
Description:
Law, ethical and professional issues relevant to the practice of dentistry.
Notes:
Students must also register for DENT 406D2.
No credit will be given for this course unless both DENT 406D1 and DENT 406D2 are successfully completed in consecutive terms.
Restriction(s): DMD students only.
Administering Faculty: Fac Dental Medicine & Oral HS  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 406D2  
Credit Weight: 0.25  
Transcript Title: Ethics and Jurisprudence  
Calendar Title: Ethics and Jurisprudence.  
Description:  
See DENT 406D1 for description.  
Notes:  
Prerequisite(s): DENT 406D1.  
No credit will be given for this course unless both DENT 406D1 and DENT 406D2 are successfully completed in consecutive terms.  
Restriction(s): DMD students only.

DENT 407D1  
Credit Weight: 1  
Transcript Title: Practice Management  
Calendar Title: Practice Management.  
Description:  
Management of the business of dentistry.  
Notes:  
Students must register for both DENT 407D1 and DENT 407D2.  
No credit will be given for this course unless both DENT 407D1 and DENT 407D2 are successfully completed in consecutive terms.  
Restriction: Not open to students who have taken DENT 405D1/D2.

DENT 407D2  
Credit Weight: 1  
Transcript Title: Practice Management  
Calendar Title: Practice Management.  
Description:  
See DENT 407D1 for course description.  
Notes:  
Students must register for both DENT 407D1 and DENT 407D2.  
No credit will be given for this course unless both DENT 407D1 and DENT 407D2 are successfully completed in consecutive terms.  
Restriction: Not open to students who have taken DENT 405D1/D2.

DENT 409  
Credit Weight: 2  
Transcript Title: Advanced Restorative Dentistry  
Calendar Title: Advanced Restorative Dentistry.  
Description:  
This course will focus on didactic and theoretical aspects of the clinical management of more complex restorative challenges that the senior students might
expect to encounter in their final year clinical program or in private practice following graduation.

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 409J1**

**Credit Weight:** 0.67

**Transcript Title:** Advanced Restorative Dentistry

**Calendar Title:** Advanced Restorative Dentistry.

**Description:**

This course will focus on didactic and theoretical aspects of the clinical management of more complex restorative challenges that the senior students might expect to encounter in their final year clinical program or in private practice following graduation.

**Notes:**

Students must also register for DENT 409J2 and DENT 409J3

No credit will be given for this course unless DENT 409J1, DENT 409J2 and DENT 409J3 are all successfully completed in consecutive terms

DENT 409J1, DENT 409J2 and DENT 409J3 together are equivalent to DENT 409

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 409J2**

**Credit Weight:** 0.67

**Transcript Title:** Advanced Restorative Dentistry

**Calendar Title:** Advanced Restorative Dentistry.

**Description:**

For description see DENT 409J1.

**Notes:**

Prerequisite: DENT 409J1

Students must also register for DENT 409J3

No credit will be given for this course unless DENT 409J1, DENT 409J2 and DENT 409J3 are all successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 409J3**

**Credit Weight:** 0.66

**Transcript Title:** Advanced Restorative Dentistry

**Calendar Title:** Advanced Restorative Dentistry.

**Description:**

For description see DENT 409J1.

**Notes:**

Prerequisite: DENT 409J2

No credit will be given for this course unless DENT 409J1, DENT 409J2 and DENT 409J3 are all successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

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**DENT 410D1**

**Credit Weight:** 5

**Transcript Title:** Clinical Practice/Sr Clerkship

**Calendar Title:** Clinical Practice/Senior Clerkship.
Description:
Comprehensive management of patients with complex oral health needs involving all aspects of clinical dentistry.

Notes:
Students must register for both DENT 410D1 and DENT 410D2.
No credit will be given for this course unless both DENT 410D1 and DENT 410D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 410D2
Credit Weight: 5
Transcript Title: Clinical Practice/Sr Clerkship
Calendar Title: Clinical Practice/Senior Clerkship.
Description:
See DENT 410D1 for course description.
Notes:
Prerequisite: DENT 410D1
No credit will be given for this course unless both DENT 410D1 and DENT 410D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 411D1
Credit Weight: 1
Transcript Title: Endodontics 2
Calendar Title: Endodontics 2.
Description:
Nickel titanium rotary endodontics, ultrasonics, electronic apex locators, problem solving canal obstruction, intracoronal bleaching, advanced anesthetic and filling techniques including management of perforations.
Notes:
Prerequisite: DENT 311J1/J2/J3
Students must register for both DENT 411D1 and DENT 411D2.
No credit will be given for this course unless both DENT 411D1 and DENT 411D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 411D2
Credit Weight: 1
Transcript Title: Endodontics 2
Calendar Title: Endodontics 2.
Description:
See DENT 411D1 for course description.
Notes:
Prerequisite: DENT 411D1
No credit will be given for this course unless both DENT 411D1 and DENT 411D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
DENT 412D1
Credit Weight: 1.5
Transcript Title: Introduction to Orofacial Pain
Calendar Title: Introduction to Orofacial Pain.
Description:
Evaluation, diagnosis and management of common orofacial pain conditions encountered in general dentistry practice, based on current evidence-based literature. Emphasis is placed on the diagnosis and management of temporomandibular disorders with an introduction of other orofacial pain conditions.
Notes:
Students must register for both DENT 412D1 and DENT 412D2. No credit will be given for this course unless both DENT 412D1 and DENT 412D2 are successfully completed in consecutive terms. Restriction: Open to D.M.D. students only.
Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 412D2
Credit Weight: 1.5
Transcript Title: Introduction to Orofacial Pain
Calendar Title: Introduction to Orofacial Pain.
Description:
Evaluation, diagnosis and management of common orofacial pain conditions encountered in general dentistry practice, based on current evidence-based literature. Emphasis is placed on the diagnosis and management of temporomandibular disorders with an introduction of other orofacial pain conditions.
Notes:
Prerequisite: DENT 412D1 No credit will be given for this course unless both DENT 412D1 and DENT 412D2 are successfully completed in consecutive terms. Restriction: Open to D.M.D. students only.
Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 412J1
Credit Weight: 1
Transcript Title: Introduction to Orofacial Pain
Calendar Title: Introduction to Orofacial Pain.
Description:
Evaluation, diagnosis and management of common orofacial pain conditions encountered in general dentistry practice, based on current evidence-based literature. Emphasis is placed on the diagnosis and management of temporomandibular disorders with an introduction of other orofacial pain conditions.
Notes:
Students must also register for DENT 412J2 and DENT 412J3 No credit will be given for this course unless DENT 412J1, DENT 412J2 and DENT 412J3 are all successfully completed in consecutive terms
Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
DENT 412J2
Credit Weight: 1
Transcript Title: Introduction to Orofacial Pain
Calendar Title: Introduction to Orofacial Pain.
Description: For description see DENT 412J1.
Notes: Prerequisite: DENT 412J1
Students must also register for DENT 412J3
No credit will be given for this course unless DENT 412J1, DENT 412J2 and DENT 412J3 are all successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 412J3
Credit Weight: 1
Transcript Title: Introduction to Orofacial Pain
Calendar Title: Introduction to Orofacial Pain.
Description: For description see DENT 412J1.
Notes: Prerequisite: DENT 412J2
No credit will be given for this course unless DENT 412J1, DENT 412J2 and DENT 412J3 are all successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 413
Credit Weight: 1
Transcript Title: Commun Oral Health Services 4
Calendar Title: Community Oral Health Services 4.
Description: Oral health care of the underprivileged in outreach community locations and in the hospital environment.
Notes: Note: Participation in community clinics in the first, second and third year of the program.
Restriction: Open to DMD students only.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 415D1
Credit Weight: 3.5
Transcript Title: Orthodontics 2
Calendar Title: Orthodontics 2.
Description: Principles of growth and development, diagnosis and treatment planning, biomechanics and orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments while mentoring junior students.
Notes: Students must register for both DENT 415D1 and DENT 415D2.
No credit will be given for this course unless both DENT 415D1 and DENT 415D2 are
successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 415D2**
**Credit Weight:** 3.5
**Transcript Title:** Orthodontics 2
**Calendar Title:** Orthodontics 2.
**Description:**
See DENT 415D1 for course description.
**Notes:**
Prerequisite: DENT 415D1
No credit will be given for this course unless both DENT 415D1 and DENT 415D2 are successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 415J1**
**Credit Weight:** 2.33
**Transcript Title:** Orthodontics 2
**Calendar Title:** Orthodontics 2.
**Description:**
Principles of growth and development, diagnosis and treatment planning, biomechanics and orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments while mentoring junior students.
**Notes:**
Students must also register for DENT 415J2 and DENT 415J3
No credit will be given for this course unless DENT 415J1, DENT 415J2 and DENT 415J3 are all successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 415J2**
**Credit Weight:** 2.33
**Transcript Title:** Orthodontics 2
**Calendar Title:** Orthodontics 2.
**Description:**
For description see DENT 415J1.
**Notes:**
Prerequisite: DENT 415J1
Students must also register for DENT 415J3
No credit will be given for this course unless DENT 415J1, DENT 415J2 and DENT 415J3 are all successfully completed in consecutive terms

**Administering Faculty:** Fac Dental Medicine & Oral HS
**Teaching Department:** Dental Med & Oral Health Sci
**Status (catalog level):** Active

**DENT 415J3**
**Credit Weight:** 2.34
**Transcript Title:** Orthodontics 2
**Calendar Title:** Orthodontics 2.
**Description:**
For description see DENT 415J1.
**Notes:**
Prerequisite: DENT 415J2
No credit will be given for this course unless DENT 415J1, DENT 415J2 and DENT 415J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 416D1
Credit Weight: 1.5
Transcript Title: Pediatric Dentistry 2
Calendar Title: Pediatric Dentistry 2.
Description:
This course comprises lectures, seminars reviewing pertinent literature, and clinical treatment of children at the McCall Dental Clinic. The aim of this course is to teach the students comprehensive dental care for children.
Notes:
Students must register for both DENT 416D1 and DENT 416D2.
No credit will be given for this course unless both DENT 416D1 and DENT 416D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 416D2
Credit Weight: 1.5
Transcript Title: Pediatric Dentistry 2
Calendar Title: Pediatric Dentistry 2.
Description:
See DENT 416D1 for course description.
Notes:
Prerequisite: DENT 416D1
No credit will be given for this course unless both DENT 416D1 and DENT 416D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 418D1
Credit Weight: 1
Transcript Title: Periodontology Seminar
Calendar Title: Periodontology Seminar.
Description:
Comprehensive literature review of examination, diagnosis, treatment planning and clinical management of periodontal diseases.
Notes:
Students must register for both DENT 418D1 and DENT 418D2.
No credit will be given for this course unless both DENT 418D1 and DENT 418D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 418D2
Credit Weight: 1
Transcript Title: Periodontology Seminar
Calendar Title: Periodontology Seminar.
Description:
See DENT 418D1 for course description.

Notes:
Prerequisite: DENT 418D1
No credit will be given for this course unless both DENT 418D1 and DENT 418D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 418J1
Credit Weight: 0.67
Transcript Title: Periodontology Seminar
Calendar Title: Periodontology Seminar.
Description:
Comprehensive literature review of examination, diagnosis, treatment planning and clinical management of periodontal diseases.

Notes:
Students must also register for DENT 418J2 and DENT 418J3
No credit will be given for this course unless DENT 418J1, DENT 418J2 and DENT 418J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 418J2
Credit Weight: 0.67
Transcript Title: Periodontology Seminar
Calendar Title: Periodontology Seminar.
Description:
For description see DENT 418J1.

Notes:
Prerequisite: DENT 418J1
Students must also register for DENT 418J3
No credit will be given for this course unless DENT 418J1, DENT 418J2 and DENT 418J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 418J3
Credit Weight: 0.66
Transcript Title: Periodontology Seminar
Calendar Title: Periodontology Seminar.
Description:
For description see DENT 418J1.

Notes:
Prerequisite: DENT 418J2
No credit will be given for this course unless DENT 418J1, DENT 418J2 and DENT 418J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 423D1
Credit Weight: 2
Transcript Title: Oral Maxillofacial Surg & Path
Calendar Title: Oral Maxillofacial Surgery and Pathology.
Description:
Diagnosis and management of craniofacial developmental defects, oral disease and surgical problems encountered in dentistry and emergency and exodontia clinical rotation.

Notes:
Students must register for both DENT 423D1 and DENT 423D2.
No credit will be given for this course unless both DENT 423D1 and DENT 423D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 423D2
Credit Weight: 2

Transcript Title: Oral Maxillofacial Surg & Path
Calendar Title: Oral Maxillofacial Surgery and Pathology.
Description:
See DENT 423D1 for course description.

Notes:
Prerequisite: DENT 423D1
No credit will be given for this course unless both DENT 423D1 and DENT 423D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 423J1
Credit Weight: 1.33

Transcript Title: Oral Maxillofacial Surg & Path
Calendar Title: Oral Maxillofacial Surgery and Pathology.
Description:
Diagnosis and management of craniofacial developmental defects, oral disease and surgical problems encountered in dentistry and emergency and exodontia clinical rotation.

Notes:
Students must also register for DENT 423J2 and DENT 423J3
No credit will be given for this course unless DENT 423J1, DENT 423J2 and DENT 423J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 423J2
Credit Weight: 1.33

Transcript Title: Oral Maxillofacial Surg & Path
Calendar Title: Oral Maxillofacial Surgery and Pathology.
Description:
For description see DENT 423J1.

Notes:
Prerequisite: DENT 423J1
Students must also register for DENT 423J3
No credit will be given for this course unless DENT 423J1, DENT 423J2 and DENT 423J3 are all successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 423J3
Credit Weight: 1.34
Transcript Title: Oral Maxillofacial Surg & Path
Calendar Title: Oral Maxillofacial Surgery and Pathology.
Description: For description see DENT 423J1.
Notes: Prerequisite: DENT 423J2
No credit will be given for this course unless DENT 423J1, DENT 423J2 and DENT 423J3 are all successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 425D1
Credit Weight: 1.5
Transcript Title: Oral Health Research 4
Calendar Title: Oral Health Research 4.
Description: Developing research training, especially in dissemination and knowledge translation. Provides students with experience developing knowledge translation strategies, including presenting research findings to an audience of oral health students and professionals and learning about issues regarding publication.
Notes: Restriction(s): Open to DMD students only.
Students must register for both DENT 425D1 and DENT 425D2.
No credit will be given for this course unless both DENT 425D1 and DENT 425D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 425D2
Credit Weight: 1.5
Transcript Title: Oral Health Research 4
Calendar Title: Oral Health Research 4.
Description: Developing research training, especially in dissemination and knowledge translation. Provides students with experience developing knowledge translation strategies, including presenting research findings to an audience of oral health students and professionals and learning about issues regarding publication.
Notes: Restriction(s): Open to DMD students only.
Prerequisite: DENT 425D1
No credit will be given for this course unless both DENT 425D1 and DENT 425D2 are successfully completed in consecutive terms
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 428D1
Credit Weight: 0
Transcript Title: Periodontics Clerkship
Calendar Title: Periodontics Clerkship.
Description:

Notes:
Restriction(s): Open to DMD IV students only.
Students must register for both DENT 428D1 and DENT 428D2.
No credit will be given for this course unless both DENT 428D1 and DENT 428D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 428D2
Credit Weight: 0
Transcript Title: Periodontics Clerkship
Calendar Title: Periodontics Clerkship.
Description:

Notes:
Restriction(s): Open to DMD IV students only.
Prerequisite: DENT 428D1
No credit will be given for this course unless both DENT 428D1 and DENT 428D2 are successfully completed in consecutive terms

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 429
Credit Weight: 0
Transcript Title: Internat'l Outreach Externship
Calendar Title: International Outreach Externship.
Description:
Further training in operative and surgical techniques. Exposure to challenging clinical cases not normally seen in the McGill Undergraduate Teaching Clinic. Provision of care and health education to underprivileged patients with little to no access to oral health care. Exposure to diagnosis and treatment of a variety of oral infections and pathologies outside of North American context.

Notes:
Restrictions: Open to DMD students only.
Students are responsible for all expenses associated with travel, accommodations, food, etc.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 437
Credit Weight: 3
Transcript Title: Clinical Decision Making
Calendar Title: Clinical Decision Making.
Description: Development of a treatment plan for patients requiring complete mouth restoration involving multidiscipline restorative procedures with an emphasis on clinical decision making.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 504
Credit Weight: 3
Transcript Title: Biomaterials & Bioperformance
Calendar Title: Biomaterials and Bioperformance.
Description: Biological and synthetic biomaterials, medical devices, and the issues related to their bioperformance. The physicochemical characteristics of biomaterials in relation to their biocompatibility and sterilization.
Notes: Restrictions: Graduate and final year undergraduates from physical, biological, medical and dental sciences, and engineering.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 505
Credit Weight: 3
Transcript Title: Epid & Dat Analy in Prim Car 1
Calendar Title: Epidemiology and Data Analysis in Primary Care 1.
Description: An introduction of epidemiological concepts, data analysis, and methods applicable to primary care research.
Notes: Prerequisite: Permission of instructor if graduate student is outside the Faculty.
Restrictions: Not open to students who have taken or are taking FMED 505.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 509
Credit Weight: 3
Transcript Title: Epid&Data Analy in Prim Care 2
Calendar Title: Epidemiology and Data Analysis in Primary Care 2.
Description: Intermediate epidemiological concepts, data analysis, and methods applicable to primary care research.
Notes: Prerequisite: DENT 505; permission of instructor if graduate student is outside the Faculty.
Restrictions: Not open to students who have taken or are taking FMED 509.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 520
Credit Weight: 8
Transcript Title: Orthodontic Seminar 1
Calendar Title: Orthodontic Seminar 1.
Description:
Lectures and seminars in topics pertinent to craniofacial orthodontics.
Notes:
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 521D1
Credit Weight: 6
Transcript Title: Orthodontic Seminar 2
Calendar Title: Orthodontic Seminar 2.
Description:
Lectures and seminars in topics pertinent to craniofacial orthodontics.
Notes:
Prerequisite(s): DENT 520
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
Students must also register for DENT 521D2.
No credit will be given for this course unless both DENT 521D1 and DENT 521D2 are successfully completed in consecutive terms.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 521D2
Credit Weight: 6
Transcript Title: Orthodontic Seminar 2
Calendar Title: Orthodontic Seminar 2.
Description:
Lectures and seminars in topics pertinent to craniofacial orthodontics.
Notes:
Prerequisite(s): DENT 520 and DENT 521D1.
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
No credit will be given for this course unless both DENT 521D1 and DENT 521D2 are successfully completed in consecutive terms.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 522D1
Credit Weight: 5
Transcript Title: Orthodontic Seminar 3
Calendar Title: Orthodontic Seminar 3.
Description:
Lectures and seminars in topics pertinent to craniofacial orthodontics.
Notes:
Prerequisite(s): DENT 521
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
Students must also register for DENT 522D2.
No credit will be given for this course unless both DENT 522D1 and DENT 522D2 are successfully completed in consecutive terms.
successfully completed in consecutive terms

**Administering Faculty**: Post Graduate Dentistry  
**Teaching Department**: Dental Med & Oral Health Sci  
**Status (catalog level)**: Active

### DENT 522D2

**Credit Weight**: 5  
**Transcript Title**: Orthodontic Seminar 3  
**Calendar Title**: Orthodontic Seminar 3.  
**Description**: Lectures and seminars in topics pertinent to craniofacial orthodontics.  
**Notes**:Prerequisite(s): DENT 521 and DENT 522D1  
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.  
No credit will be given for this course unless both DENT 522D1 and DENT 522D2 are successfully completed in consecutive terms

**Administering Faculty**: Post Graduate Dentistry  
**Teaching Department**: Dental Med & Oral Health Sci  
**Status (catalog level)**: Active

### DENT 523D1

**Credit Weight**: 4  
**Transcript Title**: Orthodontic Seminar 4  
**Calendar Title**: Orthodontic Seminar 4.  
**Description**: Lectures and seminars in topics pertinent to craniofacial orthodontics.  
**Notes**:Prerequisite(s): DENT 522  
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.  
Students must also register for DENT 523D2  
No credit will be given for this course unless both DENT 523D1 and DENT 523D2 are successfully completed in consecutive terms

**Administering Faculty**: Post Graduate Dentistry  
**Teaching Department**: Dental Med & Oral Health Sci  
**Status (catalog level)**: Active

### DENT 523D2

**Credit Weight**: 4  
**Transcript Title**: Orthodontic Seminar 4  
**Calendar Title**: Orthodontic Seminar 4.  
**Description**: Lectures and seminars in topics pertinent to craniofacial orthodontics.  
**Notes**:Prerequisite(s): DENT 522 and DENT 523D1.  
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.  
No credit will be given for this course unless both DENT 523D1 and DENT 523D2 are successfully completed in consecutive terms

**Administering Faculty**: Post Graduate Dentistry  
**Teaching Department**: Dental Med & Oral Health Sci  
**Status (catalog level)**: Active

### DENT 524D1

**Credit Weight**: 3  
**Transcript Title**: Clinical Orthodontics 1
Calendar Title: Clinical Orthodontics 1.

Description:
Clinical experience pertinent to craniofacial orthodontics.

Notes:
Prerequisite(s): DENT 520
Restriction(s): Only students enrolled in the certificate in Craniofacial Orthodontics can register for this course.
Students must also register for DENT 524D2.
No credit will be given for this course unless both DENT 524D1 and DENT 524D2 are successfully completed in consecutive terms.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 524D2
Credit Weight: 3
Transcript Title: Clinical Orthodontics 1
Calendar Title: Clinical Orthodontics 1.

Description:
Clinical experience pertinent to craniofacial orthodontics.

Notes:
Prerequisite(s): DENT 520 and DENT 524D1.
Restriction(s): Only students enrolled in the certificate in Craniofacial Orthodontics can register for this course.
No credit will be given for this course unless both DENT 524D1 and DENT 524D2 are successfully completed in consecutive terms.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 525
Credit Weight: 6
Transcript Title: Clinical Orthodontics 2
Calendar Title: Clinical Orthodontics 2.

Description:
Clinical experience pertinent to craniofacial orthodontics.

Notes:
Prerequisite(s): DENT 524
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 526D1
Credit Weight: 3
Transcript Title: Clinical Orthodontics 3
Calendar Title: Clinical Orthodontics 3.

Description:
Clinical experience pertinent to craniofacial orthodontics.

Notes:
Prerequisite(s): DENT 525
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
Students must also register for DENT 526D2.
No credit will be given for this course unless both DENT 526D1 and DENT 526D2 are
successfully completed in consecutive terms

**Administering Faculty:** Post Graduate Dentistry

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

DENT 526D2

**Credit Weight:** 3

**Transcript Title:** Clinical Orthodontics 3

**Calendar Title:** Clinical Orthodontics 3.

**Description:**
Clinical experience pertinent to craniofacial orthodontics.

**Notes:**
Prerequisite(s): DENT 525 and DENT 526D1
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
No credit will be given for this course unless both DENT 526D1 and DENT 526D2 are successfully completed in consecutive terms

**Administering Faculty:** Post Graduate Dentistry

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

DENT 527

**Credit Weight:** 6

**Transcript Title:** Clinical Orthodontics 4

**Calendar Title:** Clinical Orthodontics 4.

**Description:**
Clinical experience pertinent to craniofacial orthodontics.

**Notes:**
Prerequisite(s): DENT 526
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.

**Administering Faculty:** Post Graduate Dentistry

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

DENT 528D1

**Credit Weight:** 3

**Transcript Title:** Clinical Orthodontics 5

**Calendar Title:** Clinical Orthodontics 5.

**Description:**
Clinical experience pertinent to craniofacial orthodontics.

**Notes:**
Prerequisite(s): DENT 527
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
Students must also register for DENT 528D2
No credit will be given for this course unless both DENT 528D1 and DENT 528D2 are successfully completed in consecutive terms

**Administering Faculty:** Post Graduate Dentistry

**Teaching Department:** Dental Med & Oral Health Sci

**Status (catalog level):** Active

DENT 528D2

**Credit Weight:** 3

**Transcript Title:** Clinical Orthodontics 5

**Calendar Title:** Clinical Orthodontics 5.

**Description:**
Clinical experience pertinent to craniofacial orthodontics.

Notes:
Prerequisite(s): DENT 527 and DENT 528D1
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.
No credit will be given for this course unless both DENT 528D1 and DENT 528D2 are successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 529
Credit Weight: 2
Transcript Title: Clinical Orthodontics 6
Calendar Title: Clinical Orthodontics 6.
Description:
Clinical experience pertinent to craniofacial orthodontics.

Notes:
Prerequisite(s): DENT 528
Restriction(s): Only students enrolled in the Certificate in Craniofacial Orthodontics can register for this course.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 571J1
Credit Weight: 17.33
Transcript Title: Topics in OMFS for Interns
Calendar Title: Topics in Oral and Maxillofacial Surgery for Interns.
Description:
Preparation for application to a residency program in OMFS.

Notes:
Prerequisite: DMD or equivalent
Restriction: Limited to students registered in the Certificate in Oral Surgery Internship
Students must also register for DENT 571J2 and DENT 571J3
No credit will be given for this course unless DENT 571J1, DENT 571J2, and DENT 571J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 571J2
Credit Weight: 17.33
Transcript Title: Topics in OMFS for Interns
Calendar Title: Topics in Oral and Maxillofacial Surgery for Interns.
Description:
See DENT 571J1 for course description.

Notes:
Prerequisite: DENT 571J1
Restriction: Limited to students registered in the Certificate in Oral Surgery Internship
Students must also register for DENT 571J3
No credit will be given for this course unless DENT 571J1, DENT 571J2, and DENT 571J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 571J3
Credit Weight: 17.33  
Transcript Title: Topics in OMFS for Interns  
Calendar Title: Topics in Oral and Maxillofacial Surgery for Interns.  
Description: See DENT 571J1 for course description.  
Notes: Prerequisite: DENT 571J2  
Restriction: Limited to students registered in the Certificate in Oral Surgery Internship  
No credit will be given for this course unless DENT 571J1, DENT 571J2, and DENT 571J3 are all successfully completed in consecutive terms  
Administering Faculty: Post Graduate Dentistry

DENT 575
Credit Weight: 18  
Transcript Title: Dental Residency Training 1  
Calendar Title: Dental Residency Training 1.  
Description: Advanced training in general practice dentistry in a hospital setting. Emphasis on disadvantaged and medically compromised patients.  
Notes: Restriction: Open to students registered in the Certificate in General Practice Residency Program only.  
Administering Faculty: Post Graduate Dentistry

DENT 576
Credit Weight: 17  
Transcript Title: Dental Residency Training 2  
Calendar Title: Dental Residency Training 2.  
Description: Advanced training in general practice dentistry in a hospital setting. Emphasis on disadvantaged and medically compromised patients.  
Notes: Prerequisite: DENT 575  
Restriction: Open to students registered in the Certificate in General Practice Residency Program only.  
Administering Faculty: Post Graduate Dentistry

DENT 577
Credit Weight: 17  
Transcript Title: Dental Residency Training 3  
Calendar Title: Dental Residency Training 3.  
Description: Advanced training in general practice dentistry in a hospital setting. Emphasis on disadvantaged and medically compromised patients.  
Notes:
Prerequisite: DENT 576
Restriction: Open to students registered in the Certificate in General Practice Residency Program only.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 578
Credit Weight: 0
Transcript Title: Community Practice Rotations
Calendar Title: Community Practice Rotations.
Description: Skills necessary to deliver community-based care in non-traditional settings, including mobile dentistry.
Notes: Restriction: Open to students registered in the Certificate in General Practice Residency program only.

Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 580
Credit Weight: 26
Transcript Title: OMFS Training - Integrated Pgm
Calendar Title: OMFS Training - Integrated Program.
Description: Lectures and seminars in topics pertinent to oral and maxillofacial surgery, including clinical experience.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 580D1
Credit Weight: 13
Transcript Title: OMFS Training - Integrated Pgm
Calendar Title: OMFS Training - Integrated Program.
Description: Lectures and seminars in topics pertinent to oral and maxillofacial surgery, including clinical experience.
Notes: Restriction(s): Open only to students in the Integrated OMFS-MDCM program.

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 580D2
Credit Weight: 13
Transcript Title: OMFS Training - Integrated Pgm
Calendar Title: OMFS Training - Integrated Program.
Description: See DENT 580D1 for course description.
Notes: Prerequisite: DENT 580D1
Restriction(s): Open only to students in the Integrated OMFS-MDCM program.
No credit will be given for this course unless DENT 580D1, DENT 580D2 are both successfully completed in consecutive terms.
Administering Faculty: Post Graduate Dentistry  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 581J1  
Credit Weight: 12  
Transcript Title: OMFS Training 1  
Calendar Title: Oral and Maxillofacial Surgery Training 1.  
Description: First year course in oral and maxillofacial surgery.  
Notes: Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only  
Students must also register for DENT 581J2 and DENT 581J3  
No credit will be given for this course unless DENT 581J1, DENT 581J2, and DENT 581J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 581J2  
Credit Weight: 12  
Transcript Title: OMFS Training 1  
Calendar Title: Oral and Maxillofacial Surgery Training 1.  
Description: See DENT 581J1 for course description.  
Notes: Prerequisite: DENT 581J1  
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only  
Students must also register for DENT 581J3  
No credit will be given for this course unless DENT 581J1, DENT 581J2, and DENT 581J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 581J3  
Credit Weight: 12  
Transcript Title: OMFS Training 1  
Calendar Title: Oral and Maxillofacial Surgery Training 1.  
Description: See DENT 581J1 for course description.  
Notes: Prerequisite: DENT 581J2  
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only  
No credit will be given for this course unless DENT 581J1, DENT 581J2, and DENT 581J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 582J1  
Credit Weight: 12  
Transcript Title: OMFS Training 2
Calendar Title: Oral and Maxillofacial Surgery Training 2.
Description:
Second year course in oral and maxillofacial surgery.
Notes:
Prerequisite: DENT 581J1/J2/J3
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
Students must also register for DENT 582J2 and DENT 582J3
No credit will be given for this course unless DENT 582J1, DENT 582J2, and DENT 582J3 are all successfully completed in consecutive terms
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 582J2
Credit Weight: 12
Transcript Title: OMFS Training 2
Calendar Title: Oral and Maxillofacial Surgery Training 2.
Description:
See DENT 582J1 for course description.
Notes:
Prerequisite: DENT 582J1
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
Students must also register for DENT 582J3
No credit will be given for this course unless DENT 582J1, DENT 582J2, and DENT 582J3 are all successfully completed in consecutive terms
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 582J3
Credit Weight: 12
Transcript Title: OMFS Training 2
Calendar Title: Oral and Maxillofacial Surgery Training 2.
Description:
See DENT 582J1 for course description.
Notes:
Prerequisite: DENT 582J2
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
No credit will be given for this course unless DENT 582J1, DENT 582J2, and DENT 582J3 are all successfully completed in consecutive terms
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 583
Credit Weight: 36
Transcript Title: OMFS Training 3
Calendar Title: Oral and Maxillofacial Surgery Training 3.
Description:
Third year course in oral and maxillofacial surgery.
Notes:
Prerequisite: DENT 582J1/J2/J3
Restriction: Open to students registered in the Certificate in Oral and
Maxillofacial Surgery Residency only

Administering Faculty: Post Graduate Dentistry

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 583J1

Credit Weight: 12

Transcript Title: OMFS Training 3

Calendar Title: Oral and Maxillofacial Surgery Training 3.

Description:

Third year course in oral and maxillofacial surgery.

Notes:

Prerequisite: DENT 582J1/J2/J3

Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery Residency only

Students must also register for DENT 583J2 and DENT 583J3

No credit will be given for this course unless DENT 583J1, DENT 583J2, and DENT 583J3 are all successfully completed in consecutive terms

DENT 583J1, DENT 583J2 and DENT 583J3 together are equivalent to DENT 583

Administering Faculty: Post Graduate Dentistry

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 583J2

Credit Weight: 12

Transcript Title: OMFS Training 3

Calendar Title: Oral and Maxillofacial Surgery Training 3.

Description:

See DENT 583J1 for course description.

Notes:

Prerequisite: DENT 583J1

Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery Residency only

Students must also register for DENT 583J3

No credit will be given for this course unless DENT 583J1, DENT 583J2, and DENT 583J3 are all successfully completed in consecutive terms

DENT 583J1, DENT 583J2 and DENT 583J3 together are equivalent to DENT 583

Administering Faculty: Post Graduate Dentistry

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 583J3

Credit Weight: 12

Transcript Title: OMFS Training 3

Calendar Title: Oral and Maxillofacial Surgery Training 3.

Description:

See DENT 583J1 for course description.

Notes:

Prerequisite: DENT 583J2

Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery Residency only

No credit will be given for this course unless DENT 583J1, DENT 583J2, and DENT 583J3 are all successfully completed in consecutive terms

DENT 583J1, DENT 583J2 and DENT 583J3 together are equivalent to DENT 583

Administering Faculty: Post Graduate Dentistry

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active
DENT 584J1
Credit Weight: 8
Transcript Title: OMFS Training 4
Calendar Title: Oral and Maxillofacial Surgery Training 4.
Description: Fourth year course in oral and maxillofacial surgery.
Notes: Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
Students must also register for DENT 584J2 and DENT 584J3
No credit will be given for this course unless DENT 584J1, DENT 584J2, and DENT 584J3 are all successfully completed in consecutive terms
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 584J2
Credit Weight: 8
Transcript Title: OMFS Training 4
Calendar Title: Oral and Maxillofacial Surgery Training 4.
Description: See DENT 584J1 for course description.
Notes: Prerequisite: DENT 584J1
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
Students must also register for DENT 584J3
No credit will be given for this course unless DENT 584J1, DENT 584J2, and DENT 584J3 are all successfully completed in consecutive terms
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 584J3
Credit Weight: 8
Transcript Title: OMFS Training 4
Calendar Title: Oral and Maxillofacial Surgery Training 4.
Description: See DENT 584J1 for course description.
Notes: Prerequisite: DENT 584J2
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
No credit will be given for this course unless DENT 584J1, DENT 584J2, and DENT 584J3 are all successfully completed in consecutive terms
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 585J1
Credit Weight: 4
Transcript Title: OMFS Clinical and Seminars
Calendar Title: Oral and Maxillofacial Surgery Clinical and Seminars.
Description: This course is designed to provide clinical experience in the management of oral
and maxillofacial surgical patients and prepare students to take the Royal College of Dentists of Canada speciality examination.

Notes:
Prerequisite: DENT 583 or DENT 583J1/J2/J3
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
Students must also register for DENT 585J2 and DENT 585J3
No credit will be given for this course unless DENT 585J1, DENT 585J2, and DENT 585J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 585J2
Credit Weight: 4
Transcript Title: OMFS Clinical and Seminars
Calendar Title: Oral and Maxillofacial Surgery Clinical and Seminars.
Description:
See DENT 585J1 for course description.
Notes:
Prerequisite: DENT 585J1
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
Students must also register for DENT 585J3
No credit will be given for this course unless DENT 585J1, DENT 585J2, and DENT 585J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 585J3
Credit Weight: 4
Transcript Title: OMFS Clinical and Seminars
Calendar Title: Oral and Maxillofacial Surgery Clinical and Seminars.
Description:
See DENT 585J1 for course description.
Notes:
Prerequisite: DENT 585J2
Restriction: Open to students registered in the Certificate in Oral and Maxillofacial Surgery only
No credit will be given for this course unless DENT 585J1, DENT 585J2, and DENT 585J3 are all successfully completed in consecutive terms

Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 610
Credit Weight: 3
Transcript Title: Intro to Craniofacial Research
Calendar Title: Introduction to Craniofacial Research.
Description:
Conducting craniofacial research projects using animal models, including molecular genetics as well as methodologies commonly used in a laboratory performing craniofacial research, generating and analyzing animal models, and performing comparative studies of multiple craniofacial anomalies in humans and animal models.
Notes:
Restriction(s): Registration priority will be given to students enrolled in a graduate program in Dentistry. Students from other departments may register with permission from the instructor.

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 614
Credit Weight: 2
Transcript Title: Founds of Mixed Methods Resrch
Calendar Title: Foundations of Mixed Methods Research.
Description:
Basic training in how to conduct mixed methods research, the most common types of mixed methods research designs, and mixed studies reviews.

Notes:
Prerequisite: Permission of instructor if graduate student is outside the Faculty.
Restrictions: Not open to students who have taken or are taking FMED 614.
Language of Instruction: English.

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 615
Credit Weight: 3
Transcript Title: Knowledge Mobilization in Dent
Calendar Title: Knowledge Mobilization in Dentistry.
Description:
The principles of implementation science (IS), knowledge mobilization [KM], and theoretical and practical foundations of KM to support the uptake of research utilization to inform evidence-based dental practice and related policy decision-making. Defining IS and KM, the similarities and differences with other related approaches, the relationship between KM and evidence-based practice, the dominant theories, KM models, frameworks, tools and resources. Examination of various patient groups and clinical settings and contexts (e.g., private, public, hospital, community, schools, home) from the perspective of how research evidence can be implemented into daily dental practice using effective KM interventions.

Notes:
Restrictions: Open to students in the Faculty of Dental Medicine and Oral Health Sciences; others with permission of the instructor.

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 625
Credit Weight: 3
Transcript Title: Applied Qualitative Health Res
Calendar Title: Applied Qualitative Health Research.
Description:
Foundations of qualitative health research through consideration of theory, initiation into fieldwork and the combination of pertinent theoretical and practical components.

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active
DENT 650
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Literature Review and Hypothesis Generation.
Administrating Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 651
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Literature Review and Protocol Development.
Administrating Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 652
Credit Weight: 9
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research.
Administrating Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 652D1
Credit Weight: 4.5
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research.
Notes: Students must register for both DENT 652D1 and DENT 652D2
No credit will be given for this course unless both DENT 652D1 and DENT 652D2 are successfully completed in consecutive terms
DENT 652D1 and DENT 652D2 together are equivalent to DENT 652
Administrating Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 652D2
Credit Weight: 4.5
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
See DENT 652D1 for course description.

Notes:
Prerequisite: DENT 652D1
No credit will be given for this course unless both DENT 652D1 and DENT 652D2 are successfully completed in consecutive terms
DENT 652D1 and DENT 652D2 together are equivalent to DENT 652

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 653
Credit Weight: 15
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Data Analysis & Thesis Preparation.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 653D1
Credit Weight: 7.5
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Data Analysis & Thesis Preparation.

Notes:
Students must register for both DENT 653D1 and DENT 653D2
No credit will be given for this course unless both DENT 653D1 and DENT 653D2 are successfully completed in consecutive terms
DENT 653D1 and DENT 653D2 together are equivalent to DENT 653

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 653D2
Credit Weight: 7.5
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
See DENT 653D1 for course description.

Notes:
Prerequisite: DENT 653D1
No credit will be given for this course unless both DENT 653D1 and DENT 653D2 are successfully completed in consecutive terms
DENT 653D1 and DENT 653D2 together are equivalent to DENT 653

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 654
Credit Weight: 3
Transcript Title: Mechanisms & Management of Pain
Calendar Title: Mechanisms and Management of Pain.
Description:
Presentation of the neurobiology of pain and analgesia, clinical pain conditions, basic and applied research methods in the study of pain, and the theory and practice of pain management. The course is designed for graduate students interested in pain mechanisms and clinical residents interested in pain management.

Notes:
Restriction: Open to all health professionals

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 663
Credit Weight: 1
Transcript Title: Principles of Health Research
Calendar Title: Principles of Health Research.
Description:
Research topics and methodology, including critical thinking and evaluating evidence, scientific responsibilities, academic integrity, scientific writing, and publishing basics.

Notes:
Restriction(s): Not open to students who have taken DENT 563.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 664
Credit Weight: 1
Transcript Title: Health Research Communications
Calendar Title: Health Research Communications.
Description:
Practical training in written and oral communication skills for biomedical sciences and oral health research.

Notes:
Prerequisite(s): DENT 663 or permission of the instructor.
Restriction(s): Not open to students who have taken DENT 564.
Students will participate in a series of lectures and workshops to develop and practice scientific writing and oral communication skills.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 665
Credit Weight: 1
Transcript Title: Lrdship & Mgmt Skills in Res
Calendar Title: Leadership and Management Skills in Research.
Description:
Introduction to leadership theory, models and practice, as well as the development of project and time management skills, resource allocation, team and consensus building.

Notes:
Restriction(s): Only open to students enrolled in the MSc Dental Sciences (Thesis), MSc Dental Sciences (Non-Thesis) or the Faculty of Dentistry's PhD program, or with permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 668
Credit Weight: 3
Transcript Title: Practcm Readgs:Dent&HlthResrch
Calendar Title: Practicum Readings in Dentistry and Health Research.
Description: Literature that contributes general and specific practicum skills and knowledge, including a literature search, documentation of the process and preparation of the background literature for the final practicum project.
Notes: Restrictions: Open only to students in the M.Sc. in Dental Sciences; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 669
Credit Weight: 3
Transcript Title: Extracellular Matrix Biology
Calendar Title: Extracellular Matrix Biology.
Description: Advanced topics on extracellular matrix biology with emphasis on matrix molecules and their effects on cell communication, tissue structure and integrity.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 670
Credit Weight: 6
Transcript Title: Dentistry Commnty Hlth Practcm
Calendar Title: Dentistry Community Health Practicum.
Description: Practical stage.
Notes: Corequisite: DENT 668
Restriction: Available only to those students registered in the non-thesis option of the M.Sc. in Dental Sciences.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 671
Credit Weight: 2
Transcript Title: Advanced Research Seminar
Calendar Title: Advanced Research Seminar.
Description: Topics in current research in Oral Health Sciences.

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 671D1
Credit Weight: 1
Transcript Title: Advanced Research Seminar
Calendar Title: Advanced Research Seminar.
Description:
Topics in current research in Oral Health Sciences.

Notes:
Students must register for both DENT 671D1 and DENT 671D2
No credit will be given for this course unless both DENT 671D1 and DENT 671D2 are successfully completed in consecutive terms
DENT 671D1 and DENT 671D2 together are equivalent to DENT 671

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 671D2
Credit Weight: 1
Transcript Title: Advanced Research Seminar
Calendar Title: Advanced Research Seminar.
Description:
See DENT 671D1 for course description.

Notes:
Prerequisite: DENT 671D1
No credit will be given for this course unless both DENT 671D1 and DENT 671D2 are successfully completed in consecutive terms
DENT 671D1 and DENT 671D2 together are equivalent to DENT 671

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 671N1
Credit Weight: 1
Transcript Title: Advanced Research Seminar
Calendar Title: Advanced Research Seminar.
Description:
Topics in current research in Oral Health Sciences.

Notes:
Students must also register for DENT 671N2
No credit will be given for this course unless both DENT 671N1 and DENT 671N2 are successfully completed in a twelve month period
DENT 671N1 and DENT 671N2 together are equivalent to DENT 671

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 671N2
Credit Weight: 1
Transcript Title: Advanced Research Seminar
Calendar Title: Advanced Research Seminar.
Description:
See DENT 671N1 for course description.

Notes:
Prerequisite: DENT 671N1
No credit will be given for this course unless both DENT 671N1 and DENT 671N2 are successfully completed in consecutive terms.
DENT 671N1 and DENT 671N2 together are equivalent to DENT 671

Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
DENT 672
Credit Weight: 1
Transcript Title: Applied Mix Meth in Health Res
Calendar Title: Applied Mixed Methods in Health Research.
Description: Exploration of how to write a mixed methods research protocol or manuscript and some more advanced mixed methods data analysis applications.
Notes: Prerequisite: Permission of instructor if graduate student is outside the Faculty.
Note: Contact hours: Monday to Friday from 9:00 a.m. to 4:30 p.m. (Faculty of Dentistry: 514-398-7203, extensions 096455 & 00059); language of instruction: English.
Restriction(s): Not open to students who have taken or are taking FMED 672. Only open to graduate students in the Faculty of Dentistry. Only open to students who have had prior graduate training in quantitative, qualitative, and mixed methods research.
Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 679
Credit Weight: 3
Transcript Title: Epid&Data Analy in Prim Care 3
Calendar Title: Epidemiology and Data Analysis in Primary Care 3.
Description: Advanced epidemiological concepts, data analysis and methods applicable to primary care research.
Notes: Prerequisite: DENT 509; permission of instructor if graduate student is outside the Faculty.
Restriction: Open to students who have taken or are taking FMED 679.
Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 681
Credit Weight: 1
Transcript Title: Readings in Dent&Health Res 1
Calendar Title: Readings in Dentistry and Health Research 1.
Description: Advanced readings in student's area of research.
Notes: Prerequisite(s): Permission of instructors.
Restriction(s): Open to students enrolled in a graduate program at the Faculty of Dentistry. In some circumstances, it may be opened to students from another Faculty.
Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 682
Credit Weight: 2
Transcript Title: Readings in Dent&Health Res 2
Calendar Title: Readings in Dentistry and Health Research 2.
Description:
Advanced readings in student's area of research.

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 682D1

Credit Weight: 1

Transcript Title: Readings in Dent&Health Res 2

Calendar Title: Readings in Dentistry and Health Research 2.

Description:
Advanced readings in student's area of research.

Notes:
Not open to students who have taken DENT 682.
Open to students enrolled in a graduate program at the Faculty of Dentistry. In some circumstances, it may be opened to students from another Faculty.

Prerequisites: Permission of instructors

No credit will be given for this course unless both DENT 682D1 and DENT 682D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 682D2

Credit Weight: 1

Transcript Title: Readings in Dent&Health Res 2

Calendar Title: Readings in Dentistry and Health Research 2.

Description:
See DENT 682D1 for course description.

Notes:
Not open to students who have taken DENT 682.
Prerequisites: Permission of instructors

Open to students enrolled in a graduate program at the Faculty of Dentistry. In some circumstances, it may be opened to students from another Faculty.

No credit will be given for this course unless both DENT 682D1 and DENT 682D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 683

Credit Weight: 3

Transcript Title: Readings in Dent&Health Res 3

Calendar Title: Readings in Dentistry and Health Research 3.

Description:
Advanced readings in student's area of research.

Notes:
Prerequisite(s): Permission of instructors.
Restriction(s): Open to students enrolled in a graduate program at the Faculty of Dentistry. In some circumstances, it may be opened to students from another Faculty.

Administering Faculty: Graduate Studies

Teaching Department: Dental Med & Oral Health Sci

Status (catalog level): Active

DENT 685
Credit Weight: 3  
Transcript Title: Theory of Dental Public Health  
Calendar Title: Theory of Dental Public Health.  
Description: 
Theory and principles of public health, as applied to the concepts and determinants of oral health and disease, oral disease prevention and health promotion, dental care delivery systems and professional issues related to dental care delivery.  
Notes: 
Restriction(s): Only open to graduate students enrolled in the Faculty of Dentistry  
Administering Faculty: Graduate Studies  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active  

DENT 686  
Credit Weight: 2  
Transcript Title: Illness Exp&Soc Determ of Hlth  
Calendar Title: Illness Experience and Social Determinants of Health.  
Description: 
Exploration on the experience of illness and suffering, the social determinants of health, illness, access to care and broader contexts related to oral [and other] health. Critical reflection and challenge of assumptions in relation to the main themes.  
Notes: 
Prerequisite: Permission of instructor  
Priority will be given to Dentistry graduate students; other students are requested to contact the instructor with an explanation of their interest in this course.  
Administering Faculty: Graduate Studies  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active  

DENT 688  
Credit Weight: 3  
Transcript Title: Bone Mechanobiology  
Calendar Title: Bone Mechanobiology .  
Description: 
Foundational theories in mechanobiology in the context of skeletal tissues (namely, bone, growth plate cartilage, and periodontal tissues). Brief introduction to structure- function relations in bone, mechanical strain, and fluid flow. Emphasis is placed on the concepts of bone adaptation to biomechanical loading patterns, mechanobiology at the tissue level and mechanotransduction at the cellular level. Research methodologies and applications to disease are discussed.  
Administering Faculty: Graduate Studies  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active  

DENT 690  
Credit Weight: 3  
Transcript Title: Literature Reviews  
Calendar Title: Literature Reviews.  
Description: 
Theoretical foundation and workflow outline for performing a narrative, rapid, scoping, or systematic literature review.
Administering Faculty: Graduate Studies  
Teaching Department: Dental Med & Oral Health Sci  
Status (catalog level): Active

DENT 700  
Credit Weight: 1  
Transcript Title: Comprehensive Exam Skills  
Calendar Title: Comprehensive Exam Skills.  
Description: Preparation for the written and oral comprehensive exam by formulating research proposals, conducting literature reviews and developing an oral presentation on the thesis topic. Emphasis will be placed on small group peer-to-peer feedback and mock examinations.  
Notes: Restriction: Only open to students enrolled in the Faculty of Dentistry Ph.D. program.

DENT 701  
Credit Weight: 0  
Transcript Title: PhD Comprehensive Examination  
Calendar Title: PhD Comprehensive Examination.  
Description: The comprehensive exam will consist of two parts: the first part (written) will demonstrate the candidate's skills in writing a research proposal. The second part (oral) will confirm that the candidate understands all aspects of the protocol.  
Notes: Prerequisite: DENT 700

DENT 706  
Credit Weight: 3  
Transcript Title: Adv Sem: Qualitative Hlth Res  
Calendar Title: Advanced Seminar in Qualitative Health Research.  
Description: Advanced examination of qualitative research in health disciplines include an in-depth discussion of dominant qualitative research methodologies - particularly grounded theory, phenomenology/hermeneutics and ethnography - as well as a review of data collection techniques. Each qualitative methodology and technique will be examined from the perspective of a) their underlying philosophical paradigms (i.e., epistemological and ontological premises), as well as b) their pertinence to health phenomena.  
Notes: Priority will be given to Dental students enrolled in the Ad Hoc Ph.D. program. Prerequisite(s): Students must have completed at least 1 qualitative research course prior to enrolling in this course AND permission of instructors.

DENT 786  
Credit Weight: 6
Transcript Title: Foundations in Oral Health Sci
Calendar Title: Foundations in Oral Health Science.
Description:
Overview of foundational ideas in oral health science. Focus on philosophy of science (for basic science, clinical and patient care, community, population and public health). Exploration of the knowledge production cycle (e.g., from basic science to bedside care to population health, and back). Research methodologies and methods, theoretical and conceptual frameworks, knowledge translation and research ethics.
Notes:
Restriction(s): Open to students enrolled in the Faculty of Dentistry's Ph.D. in Oral Health Sciences. Other students require permission of the instructors.
Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 786D1
Credit Weight: 3
Transcript Title: Foundations in Oral Health Sci
Calendar Title: Foundations in Oral Health Science.
Description:
Overview of foundational ideas in oral health science. Focus on philosophy of science (for basic science, clinical and patient care, community, population and public health). Exploration of the knowledge production cycle (e.g., from basic science to bedside care to population health, and back). Research methodologies and methods, theoretical and conceptual frameworks, knowledge translation and research ethics.
Notes:
Restriction(s): Open to students enrolled in the Faculty of Dentistry's Ph.D. in Oral Health Sciences. Other students require permission of the instructors.
Students must also register for DENT 786D2
No credit will be given for this course unless both DENT 786D1 and DENT 786D2 are successfully completed in consecutive terms
DENT 786D1 and DENT 786D2 together are equivalent to DENT 786
Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

DENT 786D2
Credit Weight: 3
Transcript Title: Foundations in Oral Health Sci
Calendar Title: Foundations in Oral Health Science.
Description:
See DENT 786D1 for course description.
Notes:
Restriction(s): Open to students enrolled in the Faculty of Dentistry's Ph.D. in Oral Health Sciences. Other students require permission of the instructors.
Prerequisite(s): DENT 786D1
No credit will be given for this course unless both DENT 786D1 and DENT 786D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
DUMY 100

Credit Weight: 0

Transcript Title: Dummy Crs For TPHi Scheduling

Calendar Title:

Administering Faculty: Faculty of Arts

Teaching Department: Arts - Dean's Office

Status (catalog level): Active
EAST 199
Credit Weight: 3
Transcript Title: FYS: East Asian Culture
Calendar Title: FYS: East Asian Culture.
Description:
An introduction to East Asian culture based on close examination of primary and secondary texts as well as visual materials.
Notes:
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS.
Note: Enrolment limit 25. Students who register for more than one FYS will be obliged to withdraw from all but one of them.
Note: Language of instruction is English.
Administrating Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 211
Credit Weight: 3
Transcript Title: Intro: East Asian Culture: China
Calendar Title: Introduction: East Asian Culture: China.
Description:
This course provides a critical introduction to central themes in Chinese culture. The course will also examine the changing representations of the Chinese cultural tradition in the West. Readings will include original sources in translation from the fields of literature, philosophy, religion, and cultural history.
Administrating Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 212
Credit Weight: 3
Transcript Title: Intro: East Asian Culture: Japan
Calendar Title: Introduction: East Asian Culture: Japan.
Description:
An introduction to Japan which presents various aspects of Japanese literature, culture, history, religions, philosophy and society.
Administrating Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 213
Credit Weight: 3
Transcript Title: Intro: East Asian Culture: Korea
Calendar Title: Introduction: East Asian Culture: Korea.
Description:
This course provides a critical introduction to central themes in Korean culture, including Korean literature, religions, philosophy, and socio-economic formations.
Notes:
Administrating Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 215
Credit Weight: 3
Transcript Title: Introduction to East Asian Art
Calendar Title: Introduction to East Asian Art.
Description:
Introductory survey of some of the major developments in the visual arts of Japan, China, and Korea. Emphasis will be placed on the diversity of artistic traditions in East Asia and the intersections among these traditions.

Notes:
Restriction: Not open to students taking or who have taken ARTH 215.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 220
Credit Weight: 9
Transcript Title: First Level Korean
Calendar Title: First Level Korean.
Description:
Introduction to the basic structures of the standard Korean language. The aim of this course is to give students a basic knowledge of the Korean language. Special emphasis is put on handling everyday conversation, reading and writing short texts, and mastering basic grammar rules.

Notes:
An activities fee of $106.06 is charged to support the cost of visits to a Kimchi factory, restaurant meals, theatrical demonstrations, and explorations in the cultural richness of the language.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 220D1
Credit Weight: 4.5
Transcript Title: First Level Korean
Calendar Title: First Level Korean.
Description:
Introduction to the basic structures of the standard Korean language. The aim of this course is to give students a basic knowledge of the Korean language. Special emphasis is put on handling everyday conversation, reading and writing short texts, and mastering basic grammar rules.

Notes:
Students must register for both EAST 220D1 and EAST 220D2.
No credit will be given for this course unless both EAST 220D1 and EAST 220D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 220D2
Credit Weight: 4.5
Transcript Title: First Level Korean
Calendar Title: First Level Korean.
Description:
See EAST 220D1 for course description.

Notes:
Prerequisite: EAST 220D1
No credit will be given for this course unless both EAST 220D1 and EAST 220D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 230
Credit Weight: 9
Transcript Title: First Level Chinese
Calendar Title: First Level Chinese.
Description:
Introduction to the basic structures of Mandarin Chinese, Pin-yin romanization and 750 characters for reading and writing. Emphasis on developing aural and oral skills through communication games and interaction activities. Animated films are used as part of teaching materials.
Notes:
An activities fee of $153.96 is charged to support the cost of visits to museums, restaurant meals, theatrical demonstrations, and explorations in the cultural richness of the language.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 230D1
Credit Weight: 4.5
Transcript Title: First Level Chinese
Calendar Title: First Level Chinese.
Description:
Introduction to the basic structures of Mandarin Chinese, Pin-yin romanization and 750 characters for reading and writing. Emphasis on developing aural and oral skills through communication games and interaction activities. Animated films are used as part of teaching materials.
Notes:
Students must register for both EAST 230D1 and EAST 230D2.
No credit will be given for this course unless both EAST 230D1 and EAST 230D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 230D2
Credit Weight: 4.5
Transcript Title: First Level Chinese
Calendar Title: First Level Chinese.
Description:
See EAST 230D1 for course description.
Notes:
Prerequisite: EAST 230D1
No credit will be given for this course unless both EAST 230D1 and EAST 230D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 240
Credit Weight: 9
Transcript Title: First Level Japanese
Calendar Title: First Level Japanese.
Description:
Introduction to the basic grammar and sentence patterns of the Japanese language
in both oral and written forms. In reading and writing skills students will be introduced to katakana, hiragana and kanji.

Notes:
An activities fee of $185 is charged to support the cost of visits to museums, restaurant meals, theatrical demonstrations, and explorations in the cultural richness of the language.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 240D1
Credit Weight: 4.5
Transcript Title: First Level Japanese
Calendar Title: First Level Japanese.
Description:
Introduction to the basic grammar and sentence patterns of the Japanese language in both oral and written forms. In reading and writing skills students will be introduced to katakana, hiragana and kanji.

Notes:
Students must register for both EAST 240D1 and EAST 240D2.
No credit will be given for this course unless both EAST 240D1 and EAST 240D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 240D2
Credit Weight: 4.5
Transcript Title: First Level Japanese
Calendar Title: First Level Japanese.
Description:
See EAST 240D1 for course description.

Notes:
Prerequisite: EAST 240D1
No credit will be given for this course unless both EAST 240D1 and EAST 240D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 241
Credit Weight: 3
Transcript Title: Japanese Writing Beginners 1
Calendar Title: Japanese Writing Beginners 1.
Description:
Suitable for students who are already familiar with spoken Japanese but lack writing skills. Focus on grammar, Kanji and vocabulary through writing.

Notes:
Prerequisite(s): Placement test or instructor's permission.
Enrolment limitations: 15. Language of instruction: Japanese and English. This course will be offered twice a year (Fall and Winter).

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 242
Credit Weight: 3
**Transcript Title:** Japanese Writing Beginners 2  
**Calendar Title:** Japanese Writing Beginners 2.  
**Description:** Suitable for students who are already familiar with spoken Japanese but lack writing skills. Focus on grammar, Kanji and vocabulary through writing.  
**Notes:** Prerequisite(s): EAST 241 or placement test or instructor's permission. Language of instruction: Japanese and English.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** East Asian Studies  
**Status (catalog level):** Active

**EAST 250**  
**Credit Weight:** 3  
**Transcript Title:** Intro to Asian Media Studies  
**Calendar Title:** Introduction to Asian Media Studies.  
**Description:** The course explores core methods and theoretical approaches to media in Asia and beyond: material culture, techincity, media infrastructures, intermediality, circulation, platforms, regionalism, and institutional history.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** East Asian Studies  
**Status (catalog level):** Active

**EAST 279**  
**Credit Weight:** 3  
**Transcript Title:** Introduction to Film History  
**Calendar Title:** Introduction to Film History.  
**Description:** An introduction to representative periods, movements and styles in the history of cinema, as well as questions of film historiography.  
**Notes:** Restriction: Not open to students who have taken or are taking FILM 279 or LLCU 279 Language of instruction: English.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** East Asian Studies  
**Status (catalog level):** Active

**EAST 303**  
**Credit Weight:** 3  
**Transcript Title:** Current Topics: Chin Studies 1  
**Calendar Title:** Current Topics: Chinese Studies 1.  
**Description:** Consideration of important issues in Chinese Studies. Content of the course will vary from year to year.  
**Notes:** Fall  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** East Asian Studies  
**Status (catalog level):** Active

**EAST 304**  
**Credit Weight:** 3  
**Transcript Title:** Current Topics: Chin Studies 2
Calendar Title: Current Topics: Chinese Studies 2.
Description:
Consideration of important issues in Chinese Studies. Content of the course will vary from year to year.
Notes:
Winter
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 305
Credit Weight: 3
Transcript Title: Curr Topics: Japanese St 1
Calendar Title: Current Topics: Japanese Studies 1.
Description:
Consideration of important issues in Japanese studies. The content of the course will vary from year to year.
Notes:
Fall
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 306
Credit Weight: 3
Transcript Title: Curr Topics: Japanese St 2
Calendar Title: Current Topics: Japanese Studies 2.
Description:
Consideration of important issues in Japanese studies. The content of the course will vary from year to year.
Notes:
Winter
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 307
Credit Weight: 3
Transcript Title: Topics: East Asian Lang & Lit 1
Calendar Title: Topics: East Asian Language and Literature 1.
Description:
Consideration of selected topics and aspects of East Asian literature and/or language.
Notes:
Fall
Prerequisite: EAST 211 or permission of instructor
The topic of the course may vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 308
Credit Weight: 3
Transcript Title: Topics: East Asian Lang & Lit 2
Calendar Title: Topics: East Asian Language and Literature 2.
Description:
Consideration of selected topics and aspects of East Asian literature and/or language.
Notes:
Winter
Prerequisite: EAST 211 or permission of instructor
Restriction: Departmental approval required
The topic of the course may vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 313
Credit Weight: 3
Transcript Title: Current Topics: Korean St 1
Calendar Title: Current Topics: Korean Studies 1.
Description:
Consideration of important issues in Korean Studies. Content of the course will vary from year to year.
Notes:
Fall
Restriction: Departmental approval required.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 314
Credit Weight: 3
Transcript Title: Current Topics: Korean St 2
Calendar Title: Current Topics: Korean Studies 2.
Description:
Consideration of important issues in Korean Studies. Content of the course will vary from year to year.
Notes:
Winter
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 319
Credit Weight: 3
Transcript Title: Introduction to Manga
Calendar Title: Introduction to Manga.
Description:
This course provides an introduction to the history, aesthetics, and social impact of manga, or Japanese comics, exploring production, distribution and reception within Japan as well as transnational fan communities, translation, and adaptation (to television, animation, and cinema).
Notes:
Prerequisites: An Introductory 200 level course in media, art, Japanese culture or equivalent.
Restrictions: Not open to students who have taken EAST 299 or ARTH 319.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 320
Credit Weight: 9
Transcript Title: Second Level Korean
Calendar Title: Second Level Korean.
Description:
The aim of this course is to give students a fluent speaking ability in daily conversation, advanced grammar knowledge, improved reading and writing skills. Special emphasis is put on the efficient use of grammar, enrichment of vocabulary, and mastering useful expressions encountered in everyday life.
Notes:
Prerequisite: EAST 220 or equivalent
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Inactive

EAST 320D1
Credit Weight: 4.5
Transcript Title: Second Level Korean
Calendar Title: Second Level Korean.
Description:
The aim of this course is to give students a fluent speaking ability in daily conversation, advanced grammar knowledge, improved reading and writing skills. Special emphasis is put on the efficient use of grammar, enrichment of vocabulary, and mastering useful expressions encountered in everyday life.
Notes:
Prerequisite: EAST 220 or equivalent
Students must register for both EAST 320D1 and EAST 320D2.
No credit will be given for this course unless both EAST 320D1 and EAST 320D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 320D2
Credit Weight: 4.5
Transcript Title: Second Level Korean
Calendar Title: Second Level Korean.
Description:
See EAST 320D1 for course description.
Notes:
Prerequisite: EAST 320D1
No credit will be given for this course unless both EAST 320D1 and EAST 320D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 328
Credit Weight: 3
Transcript Title: Archaeology East Asian Empires
Calendar Title: Archaeology East Asian Empires.
Description:
An examination of utilitarian and elite objects, art, architecture, cities and
tombs from the early to medieval period dynastic states (ca. 221 BCE-279 CE) to
gain understandings of developments and changes in economic organization, art,
religion, political organization, internal interactions, and external
connections, along with both elite and commoner life based on recent
archaeological discoveries and research. Issues in archaeological practices and
theories, and the use of received texts to understand the past will also be
examined.

Notes:
Restriction: Not open to students who have taken ANTH 328.
Administration Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 330
Credit Weight: 9
Transcript Title: Second Level Chinese
Calendar Title: Second Level Chinese.
Description:
The same communicative approach as in EAST 230 is used to develop aural and oral
skills on daily topics. In addition to textbooks, Chinese films on videotapes will
be incorporated as teaching materials.

Notes:
Prerequisite: Chinese EAST 230 or equivalent or permission of the instructor
Administration Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Inactive

EAST 330D1
Credit Weight: 4.5
Transcript Title: Second Level Chinese
Calendar Title: Second Level Chinese.
Description:
The same communicative approach as in EAST 230 is used to develop aural and oral
skills on daily topics. In addition to textbooks, Chinese films on videotapes will
be incorporated as teaching materials.

Notes:
Prerequisite: EAST 230 or equivalent or permission of the instructor
Students must register for both EAST 330D1 and EAST 330D2.
No credit will be given for this course unless both EAST 330D1 and EAST 330D2 are
successfully completed in consecutive terms
Administration Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 330D2
Credit Weight: 4.5
Transcript Title: Second Level Chinese
Calendar Title: Second Level Chinese.
Description:
See EAST 330D1 for course description.

Notes:
Prerequisite: EAST 330D1
No credit will be given for this course unless both EAST 330D1 and EAST 330D2 are
successfully completed in consecutive terms
Administration Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active
EAST 340
Credit Weight: 9
Transcript Title: Second Level Japanese
Calendar Title: Second Level Japanese.
Description: Continuation of the study of oral and written Japanese.
Notes: Prerequisite: Japanese EAST 240 or equivalent or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Inactive

EAST 340D1
Credit Weight: 4.5
Transcript Title: Second Level Japanese
Calendar Title: Second Level Japanese.
Description: Continuation of the study of oral and written Japanese.
Notes: Prerequisite: EAST 240 or equivalent or permission of instructor
Students must register for both EAST 340D1 and EAST 340D2.
No credit will be given for this course unless both EAST 340D1 and EAST 340D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 340D2
Credit Weight: 4.5
Transcript Title: Second Level Japanese
Calendar Title: Second Level Japanese.
Description: See EAST 340D1 for course description.
Notes: Prerequisite: EAST 340D1
No credit will be given for this course unless both EAST 340D1 and EAST 340D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 341
Credit Weight: 3
Transcript Title: Japanese Writing Intermed. 1
Calendar Title: Japanese Writing Intermediate 1.
Description: Students learn grammar, Kanji and vocabulary necessary to go on to Third or Fourth Level Japanese (400 or 500 level) through writing. It is suitable for students who have basic Japanese knowledge but need to improve their writing skills.
Notes: Prerequisite(s): Placement test or instructor's permission.
Enrolment limitations: 15.
Language of instruction: Japanese.
This course will be offered twice a year (Fall and Winter).

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 342  
Credit Weight: 3  
Transcript Title: Japanese Writing Intermed. 2  
Calendar Title: Japanese Writing Intermediate 2.  
Description: Students learn grammar, kanji and vocabulary necessary to go on to Third or Fourth Level Japanese (400 or 500 level) through writing. It is suitable for students who are familiar with colloquial Japanese.  
Notes: Prerequisite(s): EAST 341 or Placement Test or Instructor’s Permission.  
Language of Instruction: Japanese  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 350  
Credit Weight: 3  
Transcript Title: Gender&Sexuality in ChineseLit  
Calendar Title: Gender and Sexuality in Chinese Literature.  
Description: Gender and sexuality in modern and/or premodern Chinese literature with emphasis on representation of gender relations, notions of masculinity and femininity, morality and sexuality. Readings from fiction, drama, poetry, and/or other genres are approached from a variety of critical perspectives.  
Notes: Prerequisite: EAST 211 or permission of instructor.  
Note: Readings in English translation.  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 351  
Credit Weight: 3  
Transcript Title: Women Writers of China  
Calendar Title: Women Writers of China.  
Description: A study of fiction, drama, and poetry by women writers in imperial, modern, and/or contemporary China.  
Notes: Core course for the Women's Studies program  
Prerequisite: EAST 211 or permission of instructor.  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 352  
Credit Weight: 3  
Transcript Title: Crit Approaches to Chinese Lit  
Calendar Title: Critical Approaches to Chinese Literature.  
Description: This course will examine traditional and/or modern genres of Chinese literature with a focus on different forms of Chinese and Western literary analysis.  
Notes: 
Prerequisite: EAST 211.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 353
Credit Weight: 3
Transcript Title: Approaches to Chinese Cinema
Calendar Title: Approaches to Chinese Cinema.
Description:
Development of Chinese film in the 20th century, with an emphasis on both critical approaches to film as well as film history.
Notes:
Prerequisite: EAST 211.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 356
Credit Weight: 3
Transcript Title: Modern & Contemp. Chinese Art
Calendar Title: Modern and Contemporary Chinese Art.
Description:
Examination of modern Chinese art and visual culture from the 1920's to the present. Emphasis will be placed on the formation of the artistic avant-garde in the 20th century and its relation to socialist and post-socialist mass culture.
Notes:
Restriction: Not open to students taking or who have taken ARTH 356.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 357
Credit Weight: 3
Transcript Title: Early Chinese Art
Calendar Title: Early Chinese Art.
Description:
Survey of Chinese art and visual culture during the pre-imperial and early imperial periods (1500BCE-900CE). A wide range of visual images and media (painting, architecture, inscription, funerary art) will be examined in the historical context of the rise and development of the empire.
Notes:
Prerequisite: One 200-level Art History or East Asian Studies course, or by permission of instructor.
Restriction: Not open to students taking or who have taken ARTH 357.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 358
Credit Weight: 3
Transcript Title: Later Chinese Art (960-1911)
Calendar Title: Later Chinese Art (960-1911).
Description:
Survey of art and visual culture in later imperial China from Song to Qing dynasties. A broad range of media (e.g. painting, calligraphy, print,
architecture) will be examined to explore the development of literati aesthetics and its intersections with the arts of the court, the temple, and the marketplace.

Notes:
Prerequisites: One 200-level Art History or East Asian Studies course, or by permission of Instructor.
Restriction: Not open to students taking or who have taken ARTH 355.

EAST 360
Credit Weight: 3
Transcript Title: Archaeology of Ancient China
Calendar Title: Archaeology of Ancient China.
Description:
Survey of Chinese archaeology from the Paleolithic to the dynastic era. A broad range of evidence (e.g. tombs, settlements, landscapes, architecture, artifacts, early texts) will be examined to explore the development and nature of social complexity and interaction in ancient China.

Notes:
Restrictions: U2 or U3 students only or permission of instructor. Not open to students who have taken or are taking ANTH 360.

EAST 361
Credit Weight: 3
Transcript Title: Animation and New Media
Calendar Title: Animation and New Media.
Description:
Animation and new media in East Asia, with an emphasis on postwar developments.

Notes:
Restrictions: Not open to students who have taken EAST 214.

EAST 362
Credit Weight: 3
Transcript Title: Japanese Cinema
Calendar Title: Japanese Cinema.
Description:
This course will study the development of film in Japan during the 20th century with a particular focus on the analysis of film form, genres and history.

EAST 363
Credit Weight: 3
Transcript Title: Early and Medieval Japan
Calendar Title: Early and Medieval Japan.
Description:
This course examines cultural production in early and medieval Japan, focusing on calligraphy, painting, picture scrolls, gestures and their relation to textual production. Readings explore various classic texts, taboos against seeing and
narrative modes of cognition.

Notes:
Prerequisite: EAST 212 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 364
Credit Weight: 3
Transcript Title: Mass Culture & Postwar Japan
Calendar Title: Mass Culture and Postwar Japan.
Description:
This course addresses a number of analytic approaches to mass culture in order to examine the culture industry of post-war Japan. Emphasis on narrative strategies in popular or consumer fiction and on the problems of marginalized writers.

Notes:
Prerequisite: Any introductory course in literature or cultural studies, or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 368
Credit Weight: 3
Transcript Title: Asian Genre Cinemas
Calendar Title: Asian Genre Cinemas.
Description:
This course explores the historical and aesthetic dimensions of Asian genre cinemas in a regional framework, in relation to varied social and cultural phenomena. Genres explored include the gangster film, martial arts action, horror, revenge, melodrama, period drama, and documentary.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 369
Credit Weight: 3
Transcript Title: Gen & Sex in Asian Media
Calendar Title: Gender and Sexuality in Asian Media.
Description:
In this course, we examine contesting notions of gender, sexuality, femininity, and masculinity in Asian cinema and media. We study how individual works negotiate the social discourses on gender and sexual representation, identities, and performance, and how we may borrow conceptual frameworks from queer theories and histories at large to discuss them.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 370
Credit Weight: 3
Transcript Title: History of Sexuality in Japan
Calendar Title: History of Sexuality in Japan.
Description:
Social and cultural history of sexuality in Japan. Possible topics include pre-modern sexuality and relations to court, religion and anthropology; pre-modern sex and gender relations; modern sexuality and gender identities; sexuality and
the rise of science; relation to nationalism; feminism and queer movements.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 372
Credit Weight: 3
Transcript Title: Topics in Television: Asia
Calendar Title: Topics in Television: Asia.
Description: This course approaches television and televisuality historically, in regional, transnational, and global perspectives.
Notes: Prerequisite(s): A 200-level course in EAST or permission of instructor.

EAST 375
Credit Weight: 3
Transcript Title: Korean Media & Popular Culture
Calendar Title: Korean Media and Popular Culture.
Description: This course approaches popular culture and mass media in postwar Korea from historical and theoretical perspectives, with a focus on the connections between activism, mass media, and commodity culture.
Notes: Prerequisite(s): EAST 213 or permission of the instructor.

EAST 377
Credit Weight: 3
Transcript Title: Topics: Transnat Asian Culture
Calendar Title: Topics: Transnational Asian Culture.
Description: Investigation of cinema's border-crossing modes of cultural production, reception, and circulation, to uncover the ways that the study of culture enriches current theories and approaches to the transnational.
Notes: Prerequisite(s): A 200-level course in EAST or permission of instructor.

EAST 385
Credit Weight: 3
Transcript Title: Global Korea
Calendar Title: Global Korea.
Description: This course considers Korean culture and society in the modern period by examining changing attitudes about the relationship between the national and the global, across social institutions, political discourse, and popular media.
Notes:
Status (catalog level): Active

EAST 388
Credit Weight: 3
Transcript Title: Asian Migrations and Diasporas
Calendar Title: Asian Migrations and Diasporas.
Description: Introduction to the interdisciplinary study of Asian migrations and diasporas. Topics include colonialism and diaspora, transnationalism, globalization, citizenship, migration and the state, gender and migration, human trafficking, and forced migration.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 389
Credit Weight: 3
Transcript Title: Global Cinema and Media Asia
Calendar Title: Global Cinema and Media Asia.
Description: Ascendancy of East Asian cinema and media as global culture; the aesthetic, technological, economic and political conditions of cinema as a transnational commodity; and the history of globalization and East Asia media platforms.
Notes: Prerequisite(s): A 200-level course in EAST or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 390
Credit Weight: 3
Transcript Title: The Chinese Family in History
Calendar Title: The Chinese Family in History.
Description: Exploration of the Chinese family in history both as an institution – in its religious, legal, economic, political aspects – and as a lived reality.
Notes: Prerequisite: EAST 211 or HIST 208 or HIST 218 or permission of the instructor. Restriction: Not open to students who have taken or are taking HIST 344.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 399
Credit Weight: 3
Transcript Title: Archaeology of Japan and Korea
Calendar Title: Archaeology of Japan and Korea.
Description: Survey of Japanese and Korean archaeology from the Paleolithic through the Nara and Silla periods. A broad range of evidence (eg. Tombs, settlements, landscapes, architecture, artifacts, early texts) will be examined to explore the development and nature of social complexity in each region; interaction between regions, and with China.
Notes: Prerequisite: One 200-level East Asian Studies or Anthropology course or permission of the instructor.
Restriction: Not open to students who have taken or are taking ANTH 399.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 420
Credit Weight: 3
Transcript Title: Third Level Korean 1
Calendar Title: Third Level Korean 1.
Description: grammar, enhancing written and oral comprehension and improving writing and speaking skills.
Notes: Restriction: Not open to students who have taken or are taking EAST 420D1/D2.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 421
Credit Weight: 3
Transcript Title: Third Level Korean 2
Calendar Title: Third Level Korean 2.
Description: Advanced grammar, enhancing written and oral comprehension and improving writing and speaking skills.
Notes: Prerequisite: EAST 420 or equivalent or permission of instructor.
Restriction: Not open to students who have taken or are taking EAST 420D1/D2.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 430D1
Credit Weight: 3
Transcript Title: Third Level Chinese
Calendar Title: Third Level Chinese.
Description: A communicative approach will be used to provide students with skills to communicate in various situations, express their ideas and feelings, and discuss various aspects of culture and life in China and in Canada. Teaching materials include Chinese movies on videotape and slides depicting Chinese life and culture.
Notes: Prerequisite: EAST 330 or equivalent or permission of instructor
Students must register for both EAST 430D1 and EAST 430D2.
No credit will be given for this course unless both EAST 430D1 and EAST 430D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 430D2
Credit Weight: 3
Transcript Title: Third Level Chinese
Calendar Title: Third Level Chinese.
Description: See EAST 430D1 for course description.
Notes:
Prerequisite: EAST 430D1
No credit will be given for this course unless both EAST 430D1 and EAST 430D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 437
Credit Weight: 3
Transcript Title: Historical Archaeology
Calendar Title: Historical Archaeology.
Description:
Theory and methods of historical archaeology with a focus when possible on East Asia.
Notes:
Prerequisites: One 200-level course from both EAST and ANTH or permission of instructor
Restrictions: U3 Anthropology or East Asian Studies students only or permission of instructor. Not open to students who have taken or are taking ANTH 437.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 440
Credit Weight: 6
Transcript Title: Third Level Japanese
Calendar Title: Third Level Japanese.
Description:
More advanced study of the Japanese language. Emphasis will be placed on reading.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Inactive

EAST 440D1
Credit Weight: 3
Transcript Title: Third Level Japanese
Calendar Title: Third Level Japanese.
Description:
More advanced study of the Japanese language. Emphasis will be placed on reading.
Notes:
Prerequisite: EAST 340 or equivalent or permission of instructor
Students must register for both EAST 440D1 and EAST 440D2.
No credit will be given for this course unless both EAST 440D1 and EAST 440D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 440D2
Credit Weight: 3
Transcript Title: Third Level Japanese
Calendar Title: Third Level Japanese.
Description:
See EAST 440D1 for course description.
Notes:
Prerequisite: EAST 440D1
No credit will be given for this course unless both EAST 440D1 and EAST 440D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 453
Credit Weight: 3
Transcript Title: Topics: Chinese Literature
Calendar Title: Topics: Chinese Literature.
Description: Advanced seminar in selected genres, themes and issues in Chinese literature.
Notes: Prerequisite: A 300-level course in any literature.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 454
Credit Weight: 3
Transcript Title: Topics: Chinese Cinema
Calendar Title: Topics: Chinese Cinema.
Description: Advanced seminar in selected themes and issues in Chinese film.
Notes: Prerequisites: EAST 353, a 300-level film studies course, or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 458
Credit Weight: 3
Transcript Title: Archaeology of the Silk Roads
Calendar Title: Archaeology of the Silk Roads.
Description: Comparative study of the material and visual culture of the Silk Roads, from the Neolithic to the Middle Ages, ca. 1200 CE. Focus will be on China, Mongolia and the Central Asian states. Concepts of ethnicity, interaction, and development of social complexity.
Notes: Prerequisites: Two 200-level courses: one Anthropology and the other focusing on East Asia
Restrictions: U3 Anthropology or East Asian Studies students only or permission of instructor. Not open to students who have taken or are taking ANTH 458.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 461
Credit Weight: 3
Transcript Title: Inventing Modern Japanese Novel
Calendar Title: Inventing Modern Japanese Novel.
Description: An examination of the modern Japanese novel as a form which both affirms and
resists the form of the European novel. Readings explore the particular problems of the Japanese novel in the context of modernization, westernization, and colonialism.

**Notes:**
Prerequisite: Any course in literature or cultural studies above the introductory level, or permission of instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 462**

**Credit Weight:** 3

**Transcript Title:** Japan in Asia

**Calendar Title:** Japan in Asia.

**Description:**
This course introduces theories of cultural interaction, interpellation, and intertextuality in order to reconsider Japanese modes of reception and selection of Chinese texts and technologies. Readings range from early Japanese to 20th century texts. Readings in translation.

**Notes:**
Prerequisite: Any East Asian Studies course above the introductory level, or permission of the instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 464**

**Credit Weight:** 3

**Transcript Title:** Image, Text, Performance

**Calendar Title:** Image, Text, Performance.

**Description:**
Drawing on theoretical approaches from a variety of cultural and media studies, including cinema, performance and performativity, and elsewhere, this course addresses cultural production in premodern and/or modern East Asia. Topics to be addressed range from calligraphy and writing, to theatre, and film.

**Notes:**
Prerequisite: Any East Asian Studies course above the introductory level, or permission of the instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 467**

**Credit Weight:** 3

**Transcript Title:** Topics: Japanese Cinema

**Calendar Title:** Topics: Japanese Cinema.

**Description:**
Topics in the study of Japanese cinema.

**Notes:**
Prerequisites: EAST 362 or permission of the instructor.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 468**

**Credit Weight:** 3

**Transcript Title:** Science and Technology: Asia
Calendar Title: Science and Technology: Asia.
Description:
History of science and technology in Asia with an emphasis on social and cultural impact and the legacy non-Western traditions.
Notes:
Prerequisite(s): EAST 211, EAST 212, EAST 213, or equivalent.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 477
Credit Weight: 3
Transcript Title: Media and Environment in Asia
Calendar Title: Media and Environment in Asia.
Description:
The course explores the intersection between media and "environment" in Asia and beyond; topics range from media ecology, cybernetics, environmental art and activism, urban planning, and the history of communications networks in Asia in the modern period.
Notes:
Prerequisite(s): Any East Asian Studies course at the 200 level or above.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 478
Credit Weight: 3
Transcript Title: Topics: Korean Film & Media
Calendar Title: Topics: Korean Film and Media.
Description:
Advanced seminar in the study of Korean film and media. Taught in English.
Notes:
Prerequisite(s): EAST 213 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 491
Credit Weight: 3
Transcript Title: Tutorial: East Asian Lang&Lit 1
Calendar Title: Tutorial: East Asian Languages and Literatures 1.
Description:
Advanced reading course in language or literature.
Notes:
Fall
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 492
Credit Weight: 3
Transcript Title: Tutorial: East Asian Lang&Lit 2
Calendar Title: Tutorial: East Asian Languages and Literatures 2.
Description:
Advanced reading course in language or literature.
Notes:
Winter
Restriction: Departmental approval required

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 493
Credit Weight: 3
Transcript Title: Spec Topics: East Asian St 1
Calendar Title: Special Topics: East Asian Studies 1.
Description: Advanced reading course under supervision of instructor on certain aspects of East Asian Studies. Topics will vary from year to year.

Notes:
Fall
Prerequisite: Any EAST course at the 300-level or above or permission of instructor
Restriction: Departmental approval required

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 494
Credit Weight: 3
Transcript Title: Spec Topics: East Asian St 2
Calendar Title: Special Topics: East Asian Studies 2.
Description: Advanced reading course under supervision of instructor on certain aspects of East Asian Studies. Topics will vary from year to year.

Notes:
Winter
Prerequisite: Any EAST course at the 300-level or above or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 495
Credit Weight: 3
Transcript Title: Jt Hon Thesis: East Asian Stud
Calendar Title: Joint Honours Thesis: East Asian Studies.
Description: Supervised reading and preparation of an Honours thesis under the direction of a member of staff.

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 495D1
Credit Weight: 1.5
Transcript Title: Jt Hon Thesis: East Asian Stud
Calendar Title: Joint Honours Thesis: East Asian Studies.
Description: Supervised reading and preparation of an Honours thesis under the direction of a member of staff.
Notes:
Prerequisite: U3 Joint Honours status and permission of instructor
Restriction: Departmental approval required
Students must register for both EAST 495D1 and EAST 495D2.
No credit will be given for this course unless both EAST 495D1 and EAST 495D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 495D2
Credit Weight: 1.5
Transcript Title: Jt Hon Thesis: East Asian Stud
Calendar Title: Joint Honours Thesis: East Asian Studies.
Description:
See EAST 495D1 for course description.
Notes:
Prerequisite: EAST 495D1
No credit will be given for this course unless both EAST 495D1 and EAST 495D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 495N1
Credit Weight: 1.5
Transcript Title: Jt Hon Thesis: East Asian Stud
Calendar Title: Joint Honours Thesis: East Asian Studies.
Description:
Supervised reading and preparation of an Honours thesis under the direction of a
member of staff.
Notes:
Restriction: Departmental approval required
Students must also register for EAST 495N2
No credit will be given for this course unless both EAST 495N1 and EAST 495N2 are
successfully completed in a twelve month period

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 495N2
Credit Weight: 1.5
Transcript Title: Jt Hon Thesis: East Asian Stud
Calendar Title: Joint Honours Thesis: East Asian Studies.
Description:
See EAST 495N1 for course description.
Notes:
Prerequisite: EAST 495N1
No credit will be given for this course unless both EAST 495N1 and EAST 495N2 are
successfully completed in a twelve month period

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 498D1
Credit Weight: 3
# Transcript Title: Honours Thesis: East Asian Studies

## Description:
Supervised reading and preparation of an Honours thesis under the direction of a member of staff.

## Notes:
- Prerequisite: U3 Honours status and permission of the instructor
- Restriction: Departmental approval required
- Students must register for both EAST 498D1 and EAST 498D2.
- No credit will be given for this course unless both EAST 498D1 and EAST 498D2 are successfully completed in consecutive terms

## Administering Faculty:
Faculty of Arts

## Teaching Department:
East Asian Studies

## Status (catalog level):
Active

### EAST 498D2

- **Credit Weight:** 3

## Transcript Title: Honours Thesis: East Asian Studies

## Calendar Title: Honours Thesis: East Asian Studies.

## Description:
See EAST 498D1 for course description.

## Notes:
- Prerequisite: EAST 498D1
- No credit will be given for this course unless both EAST 498D1 and EAST 498D2 are successfully completed in consecutive terms

## Administering Faculty:
Faculty of Arts

## Teaching Department:
East Asian Studies

## Status (catalog level):
Active

### EAST 498N1

- **Credit Weight:** 3

## Transcript Title: Honours Thesis: East Asian Studies

## Calendar Title: Honours Thesis: East Asian Studies.

## Description:
Supervised reading and preparation of an Honours thesis under the direction of a member of staff.

## Notes:
- Restriction: Departmental approval required
- Students must also register for EAST 498N2
- No credit will be given for this course unless both EAST 498N1 and EAST 498N2 are successfully completed in a twelve month period

## Administering Faculty:
Faculty of Arts

## Teaching Department:
East Asian Studies

## Status (catalog level):
Active

### EAST 498N2

- **Credit Weight:** 3

## Transcript Title: Honours Thesis: East Asian Studies

## Calendar Title: Honours Thesis: East Asian Studies.

## Description:
See EAST 498N1 for course description.

## Notes:
- Prerequisite: EAST 498N1
- No credit will be given for this course unless both EAST 498N1 and EAST 498N2 are successfully completed in a twelve month period

## Administering Faculty:
Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 499
Credit Weight: 3
Transcript Title: Internship: East Asian Studies
Calendar Title: Internship: East Asian Studies.
Description:
Internship with an approved host institution or organization.
Notes:
Restriction: Open to U2 and U3 students with a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will not normally fulfill program requirements for seminar or 400-level courses.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 501
Credit Weight: 3
Transcript Title: Adv Top in Japanese Studies 1
Calendar Title: Advanced Topics in Japanese Studies 1.
Description:
Consideration of selected topics and aspects of Japanese culture and society.
Notes:
Fall
Prerequisite (Undergraduate): permission of instructor
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 502
Credit Weight: 3
Transcript Title: Adv Top in Japanese Studies 2
Calendar Title: Advanced Topics in Japanese Studies 2.
Description:
Consideration of selected topics and aspects of Japanese culture and society.
Notes:
Winter
Prerequisite (Undergraduate): permission of instructor
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 503
Credit Weight: 3
Transcript Title: Adv Top in Chinese Studies 1
Calendar Title: Advanced Topics in Chinese Studies 1.
Description:
Consideration of selected topics and aspects of Chinese culture and society.
Notes:
Fall
Prerequisite (Undergraduate): permission of instructor
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 504
Credit Weight: 3
Transcript Title: Adv Top in Chinese Studies 2
Calendar Title: Advanced Topics in Chinese Studies 2.
Description: Consideration of selected topics and aspects of Chinese culture and society.
Notes:
Winter
Prerequisite (Undergraduate): permission of instructor
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 505
Credit Weight: 3
Transcript Title: Advanced Topics: Korean Studies
Calendar Title: Advanced Topics in Korean Studies.
Description: Consideration of selected topics and aspects of Korean culture and society. Taught in English.
Notes:
Prerequisite(s): Permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 515
Credit Weight: 3
Transcript Title: Seminar: Beyond Orientalism
Calendar Title: Seminar: Beyond Orientalism.
Description: Examines the cultural stakes and ethical implications of applying Western European models of understanding to East Asian societies. Provides background on interdisciplinary debates around "otherness", "cultural appropriation", and "postcolonialism", focusing on their history within East Asian Studies and their impact on that field's methodological assumptions, self-definition, and institutional practices.
Notes:
Prerequisite (Undergraduate): any EAST course at the 300 level or above or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 525
Credit Weight: 3
Transcript Title: Critical Area Studies in Asia
Calendar Title: Critical Area Studies in Asia.
Description: The course introduces students to foundational concepts, key debates, recent research areas, theoretical methods, and critical approaches in area studies.
Notes:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAST 527</td>
<td>3</td>
<td>Culture and Capital in Asia</td>
<td>Culture and Capital in Asia</td>
<td>This seminar introduces the major anthropological, psychological, and political economic theories of the relation between culture and capital that have affected social and political formations in East Asia. Language of Instruction: English.</td>
<td>Prerequisite(s): Any EAST 400-level course or above, or permission of the instructor.</td>
</tr>
<tr>
<td>EAST 530D1</td>
<td>3</td>
<td>Fourth Level Chinese</td>
<td>Fourth Level Chinese</td>
<td>Development of skills required to conduct academic discussions in oral as well as in written forms. Teaching materials include original texts from Chinese newspapers, Chinese literature and videos.</td>
<td>Prerequisite (Undergraduate): EAST 430 or equivalent. Students must register for both EAST 530D1 and EAST 530D2. No credit will be given for this course unless both EAST 530D1 and EAST 530D2 are successfully completed in consecutive terms. EAST 530D1 and EAST 530D2 together are equivalent to EAST 530.</td>
</tr>
<tr>
<td>EAST 530D2</td>
<td>3</td>
<td>Fourth Level Chinese</td>
<td>Fourth Level Chinese</td>
<td>See EAST 530D1 for course description.</td>
<td>Prerequisite: EAST 530D1. No credit will be given for this course unless both EAST 530D1 and EAST 530D2 are successfully completed in consecutive terms. EAST 530D1 and EAST 530D2 together are equivalent to EAST 530.</td>
</tr>
<tr>
<td>EAST 533</td>
<td>3</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Transcript Title: Classical Chinese 1  
Calendar Title: Classical Chinese 1.  
Description:  
An introduction to the grammar and syntax of classical Chinese. Readings are selected from well-known Confucian and Taoist classics, and philosophical and historical writings from premodern China.  
Notes:  
Prerequisite: EAST 330 or equivalent.  
Restriction: Not open to students who have taken EAST 433.  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 534  
Credit Weight: 3  
Transcript Title: Classical Chinese 2  
Calendar Title: Classical Chinese 2.  
Description:  
Continuation of EAST 533 at a more advanced level.  
Notes:  
Prerequisite: EAST 330 or equivalent.  
Restriction: Not open to students who have taken EAST 434.  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 535  
Credit Weight: 3  
Transcript Title: Chinese for Business 1  
Calendar Title: Chinese for Business 1.  
Description:  
This course aims to provide advanced students of Chinese with training in the terminology and syntax necessary for business communications. Topics will include many different aspects of business negotiations, such as price negotiation, methods of payment, etc.  
Notes:  
Prerequisite: EAST 430D1 and EAST 430D2 or equivalent or permission of instructor.  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active

EAST 536  
Credit Weight: 3  
Transcript Title: Chinese for Business 2  
Calendar Title: Chinese for Business 2.  
Description:  
This course is a continuation of EAST 535. It is designed to further develop students' linguistic competence for business communication, and to provide students with some knowledge on China's trade policies as well as on different methods of trading with China.  
Notes:  
Prerequisite: EAST 535 or equivalent or permission of instructor  
Administering Faculty: Faculty of Arts  
Teaching Department: East Asian Studies  
Status (catalog level): Active
EAST 540D1
Credit Weight: 3
Transcript Title: Fourth Level Japanese
Calendar Title: Fourth Level Japanese.
Description:
Advanced study of Japanese, with emphasis on reading Japanese newspapers. Classes will be conducted entirely in Japanese.
Notes:
Prerequisite (Undergraduate): EAST 440 or equivalent or permission of instructor
Students must register for both EAST 540D1 and EAST 540D2.
No credit will be given for this course unless both EAST 540D1 and EAST 540D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 540D2
Credit Weight: 3
Transcript Title: Fourth Level Japanese
Calendar Title: Fourth Level Japanese.
Description:
See EAST 540D1 for course description.
Notes:
Prerequisite: EAST 540D1
No credit will be given for this course unless both EAST 540D1 and EAST 540D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 544
Credit Weight: 3
Transcript Title: Classical Japanese 2
Calendar Title: Classical Japanese 2.
Description:
Notes:
Prerequisite (Undergraduate): EAST 543 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 546
Credit Weight: 3
Transcript Title: Advanced Reading: Japanese
Calendar Title: Advanced Reading: Japanese.
Description:
In-depth reading and analysis of advanced Japanese texts. Readings will be selected from a variety of prose genres ranging from fiction to journalistic writing.
Notes:
Prerequisite: EAST 440 or permission of instructor.
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 550
Credit Weight: 3
Transcript Title: Class Chin Poetry Themes & Genres
Calendar Title: Classical Chinese Poetry Themes and Genres.
Description:
A study of major themes and genres of classical Chinese poetry from its beginnings to the Yuan dynasty (14th century), with emphasis on critical analysis of text and context. Readings of poems in the original.
Notes:
Prerequisite (Undergraduate): EAST 433 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 551
Credit Weight: 3
Transcript Title: Technol of Self in Early China
Calendar Title: Technologies of Self in Early China.
Description:
Readings on self-cultivation drawn from Confucian, Legalist, and Taoist philosophic texts of early China (5th-2nd centuries B.C.) in translation will be compared with historical and archaeological materials on the evolving construction of the "individual" in Chinese social structure, military organization, political and ritual codes.
Notes:
Prerequisite (Undergraduate): One advanced course in EAST or permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 556
Credit Weight: 3
Transcript Title: Advanced Reading in Chinese
Calendar Title: Advanced Reading in Chinese.
Description:
In-depth reading and analysis of advanced Chinese texts. Readings will be selected from a variety of prose genres ranging from fiction to journalistic writing.
Notes:
Prerequisite: EAST 430 or permission of instructor
Restriction: Departmental approval required

Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 557
Credit Weight: 3
Transcript Title: Advanced Translation: Chinese
Calendar Title: Advanced Translation: Chinese.
Description:
Translation of Chinese texts into English or French. Materials will be selected from a variety of prose genres ranging from fiction to journalistic writing.
Notes:
EAST 559
Credit Weight: 3
Transcript Title: Adv Topics: Chinese Literature
Calendar Title: Advanced Topics: Chinese Literature.
Description:
Consideration of selected topics and aspects of Chinese literature. The content of the course may vary from year to year, ranging from contemporary to modern to pre-modern literature.
Notes:
Prerequisite (Undergraduate): one advanced course in EAST or permission of instructor
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 560
Credit Weight: 3
Transcript Title: Screen Cultures and Media Arts
Calendar Title: Screen Cultures and Media Arts.
Description:
This course explores the modern and contemporary screen cultures in Asia, analyzing media forms such as cinema, television, digital media and architecture through historical and theoretical frameworks. Emphasis will be placed on comparative approaches to media practices in Asia and beyond.
Notes:
Prerequisites: EAST 454; EAST 464 or EAST 467.
Administration Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 562
Credit Weight: 3
Transcript Title: Japanese Lit Theory & Practice
Calendar Title: Japanese Literary Theory and Practice.
Description:
This course examines Japanese theories of literary production and practice with an emphasis on 20th century thought.
Notes:
Prerequisite (Undergraduate): Any course in EAST above the 200 level and at least a year of an East Asian Language, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 564
Credit Weight: 3
Transcript Title: Structures of Modernity: Asia
Calendar Title: Structures of Modernity: Asia.
Description:
This course explores relations between some of the principal sites which structure the experience of "modernity" in Asia (and elsewhere) - from bodies and cities, to the urban context in general. Along with general approaches (e.g. the idea of everyday life; questions of time), specific topics may include speed, music, architecture, crime, etc.

**Notes:**
Prerequisite (Undergraduate): Any East Asian Studies course above the introductory level, or permission of the instructor

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

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**EAST 569**
**Credit Weight:** 3
**Transcript Title:** Adv Topics: Japanese Literature
**Calendar Title:** Advanced Topics: Japanese Literature.

**Description:**
Consideration of selected topics and aspects of Japanese literature. The content of the course may vary from year to year from contemporary to modern to pre-modern literature.

**Notes:**
Prerequisite: one advanced course in EAST or permission of instructor
Restriction: Departmental approval required

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

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**EAST 570**
**Credit Weight:** 3
**Transcript Title:** Modern Japanese Thought
**Calendar Title:** Modern Japanese Thought.

**Description:**
Traditions of thought in modern and contemporary Japan, with an account of the formation of philosophy, the human sciences (anthropology and sociology), and critical theory.

**Notes:**
Prerequisite: A course in East Asian Studies at the 300 level or above, or the equivalent, or permission of instructor.
Note 1: Language of instruction and texts are in English but some familiarity with Japanese or background in cultural theory or philosophy is desirable.

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

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**EAST 576**
**Credit Weight:** 3
**Transcript Title:** Advanced Reading in Korean
**Calendar Title:** Advanced Reading in Korean.

**Description:**
In-depth reading and analysis of advanced Korean texts. Readings will be selected from a variety of prose genres ranging from fiction to journalistic writing.

**Notes:**
Prerequisite: EAST 420 or permission of instructor

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** East Asian Studies

**Status (catalog level):** Active
EAST 577
Credit Weight: 3
Transcript Title: Advanced Translation: Korean
Calendar Title: Advanced Translation: Korean.
Description:
Translation of Korean texts into English or French. Materials will be selected from a variety of prose genres ranging from fiction to journalistic writing.
Notes:
Prerequisite: EAST 420 or permission of instructor.
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 600
Credit Weight: 3
Transcript Title: East Asian Studies 1
Calendar Title: East Asian Studies 1.
Description:
Reading course for East Asian Studies graduate students.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 601
Credit Weight: 3
Transcript Title: East Asian Studies 2
Calendar Title: East Asian Studies 2.
Description:
Reading course for East Asian Studies graduate students.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 621
Credit Weight: 3
Transcript Title: Bib & Research Methods: China
Calendar Title: Bibliography and Research Methods: China.
Description:
This course will introduce students to research methods and bibliography in China studies. The aim is to provide students with the research tools, knowledge and skills needed to be successful in identifying primary and secondary sources and materials for their research projects and/or proposed research essay, thesis, or dissertation.
Notes:
Some knowledge of Chinese and/or Japanese is required.
Restriction(s): Not open to students who have taken course HIST 618 prior to 2012. Graduate students only. Advanced undergraduates only with instructor's permission.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 650
Credit Weight: 3
Transcript Title: Archaeology N China: Post-Han
Calendar Title: Archaeology of Northern China: Post-Han.
Description: Anthropologically-oriented investigation of the post-Han period societies in northern China, including the archaeological manifestations of sociopolitical, economic and military organization, regional interaction, material culture production, and mortuary treatment.
Notes: Restriction: Open to graduate students in East Asian Studies or Anthropology, or by permission of the instructor. Not open to students who have taken or are taking ANTH 650.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 657
Credit Weight: 3
Transcript Title: Women's Writings in Trad China
Calendar Title: Women's Writings in Traditional China.
Description: Seminar in women's writings in premodern China.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 680
Credit Weight: 3
Transcript Title: Seminar: Social Change in Asia
Calendar Title: Seminar: Social Change in Asia.
Description: Seminar in social change in Asia.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 685
Credit Weight: 3
Transcript Title: Animal Studies
Calendar Title: Animal Studies.
Description: Lineages of thought and practices in East Asia dealing with non-human animals, including experimental research, religious traditions, conceptual contributions and cultural attitudes.
Notes: 3 hour seminar course. Language of instruction and texts are in English. Supplemental texts in Japanese will be made available.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 690
Credit Weight: 3
Transcript Title: MA Thesis Research 1
Calendar Title: MA Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the
Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 691
Credit Weight: 3
Transcript Title: MA Thesis Research 2
Calendar Title: MA Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 692
Credit Weight: 3
Transcript Title: MA Thesis Research 3
Calendar Title: MA Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 693
Credit Weight: 3
Transcript Title: MA Thesis Research 4
Calendar Title: MA Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 694
Credit Weight: 3
Transcript Title: MA Thesis Research 5
Calendar Title: MA Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 695
Credit Weight: 3
Transcript Title: MA Thesis Research 6
Calendar Title: MA Thesis Research 6.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 696
Credit Weight: 6
Transcript Title: MA Thesis Research 7
Calendar Title: MA Thesis Research 7.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 696D1
Credit Weight: 3
Transcript Title: MA Thesis Research 7
Calendar Title: MA Thesis Research 7.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes:
- Students must register for both EAST 696D1 and EAST 696D2
- No credit will be given for this course unless both EAST 696D1 and EAST 696D2 are successfully completed in consecutive terms
- EAST 696D1 and EAST 696D2 together are equivalent to EAST 696
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 696D2
Credit Weight: 3
Transcript Title: MA Thesis Research 7
Calendar Title: MA Thesis Research 7.
Description: See EAST 696D1 for course description.
Notes:
- Prerequisite: EAST 696D1
- No credit will be given for this course unless both EAST 696D1 and EAST 696D2 are successfully completed in consecutive terms
- EAST 696D1 and EAST 696D2 together are equivalent to EAST 696
Administering Faculty: Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active

EAST 700D1
Credit Weight: 0
Transcript Title: PhD Comprehensive Exam 1
Calendar Title: PhD Comprehensive Exam 1.
Description: PhD comprehensive examination.
Notes:
- Prerequisite: Must have completed 24 course credits prior to registering for the PhD Comprehensive Exam
- Restriction: Students must be PhD Candidates in the Department of East Asian Studies
Students must register for both EAST 700D1 and EAST 700D2
No credit will be given for this course unless both EAST 700D1 and EAST 700D2 are successfully completed in consecutive terms

**Administrating Faculty:** Graduate Studies

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 700D2**

**Credit Weight:** 0

**Transcript Title:** PhD Comprehensive Exam 1

**Calendar Title:** PhD Comprehensive Exam 1.

**Description:**
See EAST 700D1 for course description.

**Notes:**
Prerequisite: EAST 700D1
No credit will be given for this course unless both EAST 700D1 and EAST 700D2 are successfully completed in consecutive terms

**Administrating Faculty:** Graduate Studies

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 701**

**Credit Weight:** 0

**Transcript Title:** PhD Comprehensive Exam 2

**Calendar Title:** PhD Comprehensive Exam 2.

**Description:**
PhD comprehensive examination.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 701D1**

**Credit Weight:** 0

**Transcript Title:** PhD Comprehensive Exam 2

**Calendar Title:** PhD Comprehensive Exam 2.

**Description:**
PhD comprehensive examination.

**Notes:**
Students must register for both EAST 701D1 and EAST 701D2
No credit will be given for this course unless both EAST 701D1 and EAST 701D2 are successfully completed in consecutive terms

**Administrating Faculty:** Graduate Studies

**Teaching Department:** East Asian Studies

**Status (catalog level):** Active

**EAST 701D2**

**Credit Weight:** 0

**Transcript Title:** PhD Comprehensive Exam 2

**Calendar Title:** PhD Comprehensive Exam 2.

**Description:**
See EAST 701D1 for course description.

**Notes:**
Prerequisite: EAST 701D1
No credit will be given for this course unless both EAST 701D1 and EAST 701D2 are successfully completed in consecutive terms

**Administrating Faculty:** Graduate Studies
Teaching Department: East Asian Studies
Status (catalog level): Active
ECON 205
Credit Weight: 3
Transcript Title: An Intro to Political Economy
Calendar Title: An Introduction to Political Economy.
Description:
A critical study of the insights to be gained through economic analysis of a number of problems of broad interest. The focus will be on the application of economics to issues of public policy.
Notes:
Restriction: Not open to students who have taken ECON 205D.
Restriction: This course does not count for credit towards the Minor Concentration, Major Concentration, or Honours degree in Economics.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 208
Credit Weight: 3
Transcript Title: Microeconomic Analysis & Applications
Calendar Title: Microeconomic Analysis and Applications.
Description:
A university-level introduction to demand and supply, consumer behaviour, production theory, market structures and income distribution theory.
Notes:
Restriction: Not open to students who have taken or are taking MGCR 293, ECON 230 or ECON 250
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 209
Credit Weight: 3
Transcript Title: Macroeconomic Analysis & Applications
Calendar Title: Macroeconomic Analysis and Applications.
Description:
A university-level introduction to national income determination, money and banking, inflation, unemployment and economic policy.
Notes:
Prerequisites: ECON 208 or permission of the instructor
Restriction: Not open to students who have taken or are taking ECON 295, ECON 330 or ECON 352
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 219
Credit Weight: 3
Transcript Title: Current Econ Problems: Topics
Calendar Title: Current Economic Problems: Topics.
Description:
This course will deal with topical issues of importance to the Canadian economy.
Notes:
This course will also be of interest to students outside of Economics
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active
ECON 221
Credit Weight: 3
Transcript Title: Economic History
Calendar Title: Economic History.
Description: Survey of economic development. The evolution of economic institutions and the process of economic growth. Topics include demographic change, agrarian institutions, financial and industrial organization, technological change and the expansion of trade and markets.
Notes:
Corequisites: ECON 208 and ECON 209 or ECON 230D1/D2 or ECON 250D1/D2.
Restrictions: Not open to students who have taken ECON 201 or ECON 221D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 223
Credit Weight: 3
Transcript Title: Pol Economy of Trade Policy
Calendar Title: Political Economy of Trade Policy.
Description: The course introduces students to the economics of international trade, what constitutes good trade policy, and how trade policy is decided. The course examines Canadian trade policy since 1945, including the GATT, Auto Pact, the FTA and NAFTA, and concludes with special topics in trade policy.
Notes:
Prerequisite: ECON 208
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 225
Credit Weight: 3
Transcript Title: Economics of the Environment
Calendar Title: Economics of the Environment.
Description: A study of the application of economic theory to questions of environmental policy. Particular attention will be given to the measurement and regulation of pollution, congestion and waste and other environmental aspects of specific economies.
Notes:
Restriction: Not open to students who have taken 154-325 or 154-425
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 227
Credit Weight: 6
Transcript Title: Economic Statistics
Calendar Title: Economic Statistics.
Description: Distributions, averages, dispersions, sampling, testing, estimation, correlation, regression, index numbers, trends and seasonals.
Notes:
You may not be able to receive credit for this course and other statistic
courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 227D1**  
**Credit Weight:** 3  
**Transcript Title:** Economic Statistics  
**Calendar Title:** Economic Statistics.  
**Description:**  
Distributions, averages, dispersions, sampling, testing, estimation, correlation, regression, index numbers, trends and seasonals.

**Notes:**  
Students must register for both ECON 227D1 and ECON 227D2.  
No credit will be given for this course unless both ECON 227D1 and ECON 227D2 are successfully completed in consecutive terms  
ECON 227D1 and ECON 227D2 together are equivalent to ECON 227  
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 227D2**  
**Credit Weight:** 3  
**Transcript Title:** Economic Statistics  
**Calendar Title:** Economic Statistics.  
**Description:**  
See ECON 227D1 for course description.

**Notes:**  
Prerequisite: ECON 227D1  
No credit will be given for this course unless both ECON 227D1 and ECON 227D2 are successfully completed in consecutive terms  
ECON 227D1 and ECON 227D2 together are equivalent to ECON 227  
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 230**  
**Credit Weight:** 6  
**Transcript Title:** Microeconomic Theory  
**Calendar Title:** Microeconomic Theory.  
**Description:**  
The introductory course for Economics Major students in microeconomic theory. In depth and critical presentation of the theory of consumer behaviour, theory of production and cost curves, theory of the firm, theory of distribution, welfare economics and the theory of general equilibrium.

**Symbols:**  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Economics  
**Status (catalog level):** Active
ECON 230D1
Credit Weight: 3
Transcript Title: Microeconomic Theory
Calendar Title: Microeconomic Theory.
Description: The introductory course for Economics Major students in microeconomic theory. In depth and critical presentation of the theory of consumer behaviour, theory of production and cost curves, theory of the firm, theory of distribution, welfare economics and the theory of general equilibrium.
Notes: Students must register for both ECON 230D1 and ECON 230D2.
No credit will be given for this course unless both ECON 230D1 and ECON 230D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 230D2
Credit Weight: 3
Transcript Title: Microeconomic Theory
Calendar Title: Microeconomic Theory.
Description: See ECON 230D1 for course description.
Notes: Prerequisite: ECON 230D1
No credit will be given for this course unless both ECON 230D1 and ECON 230D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 250D1
Credit Weight: 3
Transcript Title: Intro to Econ Theory: Honours
Calendar Title: Introduction to Economic Theory: Honours.
Description: An intermediate level microeconomics course. Includes theory of exchange, theory of consumer behaviour, theory of production and cost curves, theory of the firm, theory of distribution; general equilibrium and welfare economics. The assumptions underlying the traditional neo-classical approach to economic theory will be carefully specified.
Notes: Prerequisites: MATH 140 and MATH 141 or equivalent
Students must register for both ECON 250D1 and ECON 250D2.
No credit will be given for this course unless both ECON 250D1 and ECON 250D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 250D2
Credit Weight: 3
Transcript Title: Intro to Econ Theory: Honours
Calendar Title: Introduction to Economic Theory: Honours.
Description:
See ECON 250D1 for course description.

Notes:
Prerequisite: ECON 250D1
No credit will be given for this course unless both ECON 250D1 and ECON 250D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 257D1
Credit Weight: 3
Transcript Title: Economic Statistics-Honours
Calendar Title: Economic Statistics - Honours.
Description:
Stochastic phenomena; probability and frequency distributions, introduction to probability theory. Statistical inference about proportions, means and variances; analysis of variance; nonparametric statistics; index numbers and time series; economic forecasting; regression and correlation analysis; introduction to general linear models, its uses and limitations; uses and misuses of statistics.
Notes:
Corequisites: MATH 141 and MATH 133 and ECON 250
Restriction: Not open to students who have taken 154-357 or are taking ECON 217 or ECON 227.
Students must register for both ECON 257D1 and ECON 257D2.
No credit will be given for this course unless both ECON 257D1 and ECON 257D2 are successfully completed in consecutive terms
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administrating Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 257D2
Credit Weight: 3
Transcript Title: Economic Statistics-Honours
Calendar Title: Economic Statistics - Honours.
Description:
See ECON 257D1 for course description.
Notes:
Prerequisite: ECON 257D1
No credit will be given for this course unless both ECON 257D1 and ECON 257D2 are successfully completed in consecutive terms
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administrating Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 295
Credit Weight: 3
Transcript Title: Macroeconomics Policy
Calendar Title: Macroeconomic Policy.
Description:
This applied macroeconomics course focuses on current and recurrent macroeconomic
issues important in understanding the public policy environment in which firms make their decisions. Topics include national accounts; national income determination; economic growth and fluctuations; money, monetary policy and financial markets; international trade and finance.

Notes:
Corequisite: MGCR 293
Restriction: For B.Com. students
Restriction: Not open to students who have taken or are taking ECON 209, ECON 330D1/D2 or ECON 352D1/D2.
Continuing Studies: requirement for CMA, CGA, I.C.B., the EA of AACI, and the CRA
Continuing Studies: not open to full-time day students

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 302
Credit Weight: 3
Transcript Title: Money, Banking & Gov Policy
Calendar Title: Money, Banking and Government Policy.
Description:
Analysis of the market for money; its macroeconomic effects; the theory and policy of central banking; monetary policy rules, the Taylor Rule, inflation targeting, quantitative easing; central bank independence; currency boards; commercial banking and economic stability; regulated versus free banking; cross-border banking and policy.
Notes:
Prerequisites: ECON 208 and ECON 209
Restriction: Not open to students who have taken ECON 302D1/D2 (6 credits).

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 303
Credit Weight: 3
Transcript Title: Canadian Economic Policy
Calendar Title: Canadian Economic Policy.
Description:
Major theories of how economic policy is made and goes on to use economic tools of analysis to investigate selected policy problems of current interest.
Notes:
Prerequisites: ECON 208 and ECON 209 or those listed under Prerequisites above.
Restriction: Not open to students who have taken ECON 303D1/D2 or ECON 403.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 304
Credit Weight: 3
Transcript Title: Financial Instruments & Inst.
Calendar Title: Financial Instruments and Institutions.
Description:
Economic analysis of initiating, assembling, pricing and marketing equities of bonds, bills and complex financial instruments; financial innovation; its implications for financial stability and market failure; banks as brokers, underwriters, market makers and international allocators of credit; strategies of private and public agents operating in financial markets, monetary history.
Notes:
Prerequisites: ECON 208 and ECON 209
Restriction: Not open to students who have taken ECON 302D1/D2 (6 credits).

**ECON 305**
Credit Weight: 3
Transcript Title: Industrial Organization
Calendar Title: Industrial Organization.
Description: The course analyzes the structure, conduct, and performance of industries, particularly but not exclusively in Canada. Topics include effects of mergers, barriers to entry, product line and promotion policies, vertical integration, and R & D policies of firms.
Notes: Prerequisites: ECON 208 and ECON 209.

**ECON 306**
Credit Weight: 3
Transcript Title: Labour Markets and Wages
Calendar Title: Labour Markets and Wages.
Description: Examination of the implications on wage structures of differences in job conditions, levels and type training, long-term employment relationships, unionization etc. A variety of socioeconomic policy issues including subsidies for higher education, government regulation of workplace safety, and the role and treatment of women in today's labour force are explored.
Notes: Prerequisites: ECON 208 and ECON 209, or ECON 230D1/D2, or ECON 250D1/D2
Restriction: Not open to students who have taken ECON 306D1/D2.

**ECON 308**
Credit Weight: 3
Transcript Title: Govt Policy Towards Business
Calendar Title: Governmental Policy Towards Business.
Description: Covers the major public policies toward business in Canada, such as competition policy, regulation, public ownership and privatization, industrial policies, and trade policies. Includes comparison with policies of other countries, especially the U.S. Readings will include some legal decisions.
Notes: Prerequisites: ECON 208 and ECON 209.

**ECON 310**
Credit Weight: 3
Transcript Title: Intro to Behavioural Economics
Calendar Title: Introduction to Behavioural Economics.
Description: An introduction to economic decision-making in markets and strategic environments, including bounded rationality, individual decision-making under uncertainty, and behavioural game theory.
Notes: Prerequisites: ECON 208 and a statistics course or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 313
Credit Weight: 3
Transcript Title: Economic Development 1
Calendar Title: Economic Development 1.
Description: Microeconomic theories of economic development and empirical evidence on population, labour, firms, poverty. Inequality and environment.
Notes: Prerequisite: ECON 208 and either ECON 209 or one development course.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 314
Credit Weight: 3
Transcript Title: Economic Development 2
Calendar Title: Economic Development 2.
Description: Macroeconomic development issues, including theories of growth, public finance, debt, currency crises, corruption, structural adjustment, democracy and global economic organization.
Notes: Prerequisite: ECON 313
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 316
Credit Weight: 3
Transcript Title: The Underground Economy
Calendar Title: The Underground Economy.
Description: The origins, structure and operation of the "underground" sectors of modern economies around the world. Topics include the causes of black marketeering in Western economies; international contraband trade in guns and drugs; money laundering through the world financial system.
Notes: Prerequisites: ECON 208 and ECON 209 or those listed under Prerequisites above
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 318
Credit Weight: 3
Transcript Title: The Criminal Economy
Calendar Title: The Criminal Economy.
Description:
A seminar course focusing on the nature and operation of criminal enterprise in markets for goods, services and factors of production within advanced industrial economies. Topics include the debate over "organized" crime; the structure of the criminal firm; labour racketeering; and crime in the money and capital markets.
Notes:
Prerequisite: ECON 316.
Restriction: Departmental approval required
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 319
Credit Weight: 3
Transcript Title: Economic Crises
Calendar Title: Economic Crises.
Description:
Review of economic knowledge on the causes and consequences of financial and economic crises such as that which began in August 2007.
Notes:
Prerequisite(s): ECON 208 and ECON 209
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 326
Credit Weight: 3
Transcript Title: Ecological Economics
Calendar Title: Ecological Economics.
Description:
Macroeconomic and structural aspects of the ecological crisis. A course in which subjects discussed include the conflict between economic growth and the laws of thermodynamics; the search for alternative economic indicators; the fossil fuels crisis; and "green" fiscal policy.
Notes:
Prerequisites: ECON 208 and ECON 209 or consent of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 330D1
Credit Weight: 3
Transcript Title: Macroeconomic Theory
Calendar Title: Macroeconomic Theory.
Description:
A review of basic economic concepts and tools with an in depth and critical presentation of the fundamental areas of macroeconomic theory. Topics include: the determination of output, employment and price level; money and banking and business cycles; stabilization policy; international finance and growth theory.
Notes:
Prerequisite: ECON 230 or ECON 250. If a student has already taken 154-200 or 154-203 and 154-204 or ECON 208 and ECON 209, it may be concurrently taken with ECON 230 with the permission of the instructor
Students must register for both ECON 330D1 and ECON 330D2.
No credit will be given for this course unless both ECON 330D1 and ECON 330D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Inactive

ECON 330D2
Credit Weight: 3
Transcript Title: Macroeconomic Theory
Calendar Title: Macroeconomic Theory.
Description: See ECON 330D1 for course description.
Notes: Prerequisite: ECON 330D1
No credit will be given for this course unless both ECON 330D1 and ECON 330D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 332
Credit Weight: 3
Transcript Title: Macroeconomic Theory- Majors 1
Calendar Title: Macroeconomic Theory: Majors 1.
Description: A review of basic economic concepts and tools with an in depth and critical presentation of the fundamental areas of macroeconomic theory. Topics include: the measurement of economic aggregates, economic growth, and the consumption-savings decision and other basic elements of a business cycle.
Notes: Prerequisites: ECON 230D1/2 or ECON 250D1/2.
Restrictions: Not open to students who have taken ECON 330D1/D2.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 333
Credit Weight: 3
Transcript Title: Macroeconomic Theory - Majors 2
Calendar Title: Macroeconomic Theory - Majors 2.
Description: A review of basic economic concepts and tools with an in depth and critical presentation of the fundamental areas of macroeconomic theory. Topics include: money and banking and business cycles, stabilization policy, and international finance.
Notes: Prerequisite: ECON 332
Restriction: Not open to students who have taken ECON 330D1/2.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 334
Credit Weight: 3
Transcript Title: History of Economic Doctrines
Calendar Title: History of Economic Doctrines.
Description: The course surveys the development of economics, how the discipline and the
thinking of economists evolved, and the significance of some of the analytical tools used.

Notes:
Prerequisites: ECON 208 and ECON 209 or those listed under Prerequisites above

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 335
Credit Weight: 3
Transcript Title: The Japanese Economy
Calendar Title: The Japanese Economy.
Description:
The first part of the course covers the economic institutions in, changing structure of, and public policies employed by the Japanese economy. The second part probes the economic "logic" of the Japanese capitalist system, explores its relationship to the ideas of Joseph Schumpeter, and makes comparisons with the American economy.

Notes:
Prerequisites: ECON 208 and ECON 209 or those listed under Prerequisites above

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 336
Credit Weight: 3
Transcript Title: The Chinese Economy
Calendar Title: The Chinese Economy.
Description:
Examination of the growth and transformation of the Chinese economy and the domestic and international implications.

Notes:
Prerequisites: ECON 208 and ECON 209 (or ECON 230D1/D2 or 250D1/D2).

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 337
Credit Weight: 3
Transcript Title: Intro Econometrics 1
Calendar Title: Introductory Econometrics 1.
Description:
The practical application of quantitative methods in statistical investigations.

Notes:
Prerequisite: a grade of 65% or better in ECON 227 or ECON 257 or an equivalent qualification in statistics. Familiarity with matrix algebra is highly recommended.

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 338
Credit Weight: 3
Transcript Title: Intro Econometrics 2
Calendar Title: Introductory Econometrics 2.
Description:
Estimation and forecasting using simultaneous equation systems, dynamic
simulation, time series analysis.

Notes:
Prerequisite: ECON 337

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 347
Credit Weight: 3
Transcript Title: Economics of Climate Change
Calendar Title: Economics of Climate Change.
Description:
The course focuses on the economic implications of, and problems posed by, predictions of global warming due to anthropogenic emissions of greenhouse gases. Attention is given to economic policies such as carbon taxes and tradeable emission permits and to the problems of displacing fossil fuels with new energy technologies.
Notes:
Prerequisites: ECON 208 and ECON 209 or those listed under Prerequisites above

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 348
Credit Weight: 3
Transcript Title: Urban Economics
Calendar Title: Urban Economics.
Description:
Conceptual and mathematical models used to understand the spatial distribution of economic activity. Analysis of a variety of policy issues related to cities, such as urban transportation, pollution, housing, poverty, and crime.
Notes:
Prerequisites: ECON 230D1, ECON 230D2, ECON 227D1, ECON 227D2 or equivalent, or permission of the instructor.
Restriction: For U2 or U3 students only.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 350
Credit Weight: 3
Transcript Title: Gender and Economics
Calendar Title: Gender and Economics.
Description:
An examination of the theoretical and empirical issues of gender and economics. Emphasis is placed on gender in the context of household economics, labour economics, development economics and a critical assessment of economic policies in these spheres. Gender norms (for example, traditional gender roles, dowries, son preferences) will be explored in how they interact with economics. Material is drawn from Canada, OECD and the Global South to address debates, policies and examples around gender equality and gender gaps.
Notes:
Prerequisites: ECON 230D1/D2

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active
ECON 352D1
Credit Weight: 3
Transcript Title: Macroeconomics - Honours
Calendar Title: Macroeconomics - Honours.
Description:
Basic macroeconomic theory, emphasizing the Classical and Keynesian ideas for the short-run determination of output, employment, interest rates and prices in the economy. Elements of international economics, money and banking and growth theory. The structure of the Canadian economy.
Notes:
Prerequisite: ECON 250D1/ECON 250D2
Corequisite: ECON 257D1
Students must register for both ECON 352D1 and ECON 352D2
No credit will be given for this course unless both ECON 352D1 and ECON 352D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Inactive

ECON 352D2
Credit Weight: 3
Transcript Title: Macroeconomics - Honours
Calendar Title: Macroeconomics - Honours.
Description:
See ECON 352D1 for course description.
Notes:
Prerequisite: ECON 352D1.
Corequisite: ECON 357D2.
No credit will be given for this course unless both ECON 352D1 and ECON 352D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Inactive

ECON 353
Credit Weight: 3
Transcript Title: Macroeconomics - Honours 1
Calendar Title: Macroeconomics - Honours 1.
Description:
Basic macroeconomic theory, emphasizing the Classical and Keynesian ideas for the short-run determination of output, employment, interest rates and prices in the economy.
Notes:
Prerequisites: ECON 250D1/ECON 250D2
Corequisite: ECON 257D1
Restrictions: Not open to students who have taken ECON 352D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 354
Credit Weight: 3
Transcript Title: Macroeconomics - Honours 2
Calendar Title: Macroeconomics - Honours 2.
Description:
Elements of international economics, money and banking and growth theory. The structure of the Canadian economy.

Notes:
Prerequisite: ECON 353
Corequisite: ECON 257D2
Not open to students who have taken ECON 352D1/D2.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 399
Credit Weight: 3
Transcript Title: Internship: Economics
Calendar Title: Internship: Economics.
Description:
Internship with an approved host institution or organization.
Notes:
Restriction: Open to U2 and U3 students with a minimum CGPA of 3.0 and permission of the departmental Internship Advisor. This course will not fulfill program requirements for honours, major or minor programs. A letter from a supervisor at the institution must attest to the successful completion of the student's tenure. The topic must fall within the student's program in economics and have the prior approval of a faculty member in the department.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 405
Credit Weight: 3
Transcript Title: Natural Resource Economics
Calendar Title: Natural Resource Economics.
Description:
Topics include: Malthusian and Ricardian Scarcity; optimal depletion of renewable and non-renewable resources; exploration, risk and industry structure, and current resources, rent and taxation. Current public policies applied to the resource industries, particularly those of a regulatory nature.
Notes:
Prerequisite: ECON 230 or ECON 250

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 406
Credit Weight: 3
Transcript Title: Topics in Economic Policy
Calendar Title: Topics in Economic Policy.
Description:
Selected policy issues are investigated using economic theory. For details on topics covered in the current year, consult the instructor.
Notes:
Prerequisites: ECON 230 or ECON 250 and one of ECON 227, ECON 257

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Public Sector Economics 1
Calendar Title: Public Sector Economics 1.
Description:
Theoretical and empirical economic analysis of the public sector with an emphasis on public goods and government spending. Study of Canadian institutions in international perspective.
Notes:
Prerequisite: ECON 230D1/D2 or 250D1/D2 or permission of the instructor.
Not open to students who have already completed ECON 408D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 409
Credit Weight: 3
Transcript Title: Public Sector Economics 2
Calendar Title: Public Sector Economics 2.
Description:
Theoretical and empirical economic analysis of the public sector with an emphasis on taxation. Study of Canadian institutions in international perspective.
Notes:
Prerequisite: ECON 408 or permission of the instructor
Restriction: Not open to students who have taken ECON 408D1/D2
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 411
Credit Weight: 3
Transcript Title: Econ Development:A World Area
Calendar Title: Economic Development: A World Area.
Description:
An advanced course in the economic development of a pre-designated underdeveloped country or a group of countries.
Notes:
Prerequisites: ECON 230 or ECON 250 and one semester of economic development
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 416
Credit Weight: 3
Transcript Title: Topics in Econ Development 2
Calendar Title: Topics in Economic Development 2.
Description:
This course gives students a broad overview of the economics of developing countries. The course covers micro and macro topics, with particular emphasis on the economic analysis at the micro level.
Notes:
Prerequisite(s): ECON 230 or ECON 250 and ECON 227D1/D2 or equivalent, or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active
ECON 420
Credit Weight: 3
Transcript Title: Topics in Economic Theory
Calendar Title: Topics in Economic Theory.
Description:
The course discusses selected topics in micro or macroeconomic theory at an advanced level. Possible topics include welfare economics, general equilibrium, theories of firms, consumer behaviour, intertemporal choice, uncertainty, game theory, etc.
Notes:
Prerequisite: ECON 230 or ECON 250
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 423
Credit Weight: 3
Transcript Title: International Trade
Calendar Title: International Trade.
Description:
A review of the theory and policy of international trade. Topics examined include: classical and modern theories of trade; tariffs; labour and capital mobility; trade and development; the WTO.
Notes:
Prerequisite: ECON 230D1/D2 or ECON 250D1/D2
Restriction: Not open to students who have taken ECON 423D1/D2
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 424
Credit Weight: 3
Transcript Title: International Payments
Calendar Title: International Payments.
Description:
A review of the theory and policy of international financial relations. Topics examined include: the balance of payments; exchange rates; global capital markets; the international monetary system.
Notes:
Prerequisite: ECON 230D1/D2 or ECON 250D1/D2
Corequisite: ECON 330D1 or ECON 352D1
Restriction: Not open to students who have taken ECON 423D1/D2
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 426
Credit Weight: 3
Transcript Title: Labour Economics
Calendar Title: Labour Economics.
Description:
The determinants of labour supply, demand and the structure of earnings are considered. The economic effects of government policies, such as minimum wage laws, unemployment insurance, welfare and training programs and subsidies to higher education are analyzed. A rigorous theoretical and "hands on" empirical
Notes: Prerequisite: ECON 230D1/D2 or ECON 250D1/D2 or ECON 306D1/D2.

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 430
Credit Weight: 3
Transcript Title: The Economics of Well-Being
Calendar Title: The Economics of Well-Being.

Description:
Definition, measurement, and determinants of subjective well-being and their implications for policy, growth, and the environment.

Notes:
Prerequisites: ECON 230D1/D2 or ECON 250D1/D2; ECON 227D1/D2 or ECON 257D1/D2 or equivalent; MATH 122 or MATH 139 or MATH 140 or MATH 150 or permission of instructor.
Restrictions: ECON 430 is not open to students who have taken or are taking ENVR 430.

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 434
Credit Weight: 3
Transcript Title: Current Economic Problems
Calendar Title: Current Economic Problems.

Description:
A discussion of contemporary economic problems. Topics will reflect economic issues of current interest.

Notes:
Prerequisite: ECON 230 or ECON 250.
Corequisite: ECON 330 or ECON 352

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 437
Credit Weight: 3
Transcript Title: Methods for Causal Inference
Calendar Title: Methods for Causal Inference.

Description:

Notes:
Prerequisite(s): ECON 337, ECON 338

Administering Faculty: Faculty of Arts

Teaching Department: Economics

Status (catalog level): Active

ECON 440
Credit Weight: 3
Transcript Title: Health Economics
Calendar Title: Health Economics.
Description:
The organization and performance of Canada's health care system are examined from an economist's perspective. The system is described and its special features analyzed. Much attention is given to the role of government in the system and to financing arrangements for hospital and medical services. Current financial problems are discussed.

Notes:
Prerequisites: ECON 208 and ECON 227 or comparable courses or consent of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 447
Credit Weight: 3
Transcript Title: Economics of Info&Uncertainty
Calendar Title: Economics of Information and Uncertainty.
Description:
This course considers how uncertainty can be incorporated into the standard model of consumer and producer choice central to explaining or analysing a number of different economic phenomena. Topics include the information approach to explaining unemployment and problems in controlling health care costs.

Notes:
Prerequisite: ECON 230 or ECON 250

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 450
Credit Weight: 3
Transcript Title: Adv Economic Theory 1-Honours
Calendar Title: Advanced Economic Theory 1 - Honours.
Description:
Selected topics in economic theory from recent periodical and monograph literature.

Notes:
Prerequisites: ECON 250D1/ECON 250D2 and ECON 352D1/ECON 352D2
Restriction(s): Not open to students who have taken ECON 450D1 and ECON 450D2.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 452
Credit Weight: 3
Transcript Title: Adv Economic Theory 2-Honours
Calendar Title: Advanced Economic Theory 2 - Honours.
Description:
Selected topics in economic theory from recent periodical and monograph literature.

Notes:
Prerequisites: ECON 250D1/ECON 250D2 and ECON 352D1/ECON 352D2
Restriction(s): Not open to students who have taken ECON 450D1 and ECON 450D2.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active
ECON 453
Credit Weight: 3
Transcript Title: International Trade-Honours
Calendar Title: International Trade - Honours.
Description:
Economic theories (classical and 'new trade theories') that analyze the impact of trade between nations are presented. In addition to the economic analysis of trade policies other topics such as trade in cultural goods, multilateral trade agreements, free trade and the environment may be covered.
Notes:
Prerequisite: ECON 250D1/D2
Restriction: Not open to students who have taken ECON 453D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 454
Credit Weight: 3
Transcript Title: Open Economy Macro - Honours
Calendar Title: Open Economy Macroeconomics - Honours.
Description:
This course examines major theoretical and policy issues in open-economy macroeconomics. Topics include exchange rate adjustments, currency crises, the current accounts, global imbalance, and related issues. Empirical studies will also be discussed.
Notes:
Prerequisite: ECON 250D1/D2
Restriction: Not open to students who have taken ECON 453D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 459
Credit Weight: 3
Transcript Title: Topics:Monetary Econ - Honours
Calendar Title: Topics in Monetary Economics - Honours.
Description:
An advanced treatment of selected topics in monetary economics, including the theory and practice of monetary policy.
Notes:
Prerequisite: ECON 230 or ECON 250, and knowledge of calculus.
Restriction: For Honours in Economics
Restriction: Not open to students who have taken ECON 458
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 460
Credit Weight: 3
Transcript Title: History of Thought 1 - Honours
Calendar Title: History of Thought 1 - Honours.
Description:
The evolution of economic thought prior to the close of the 19th century, as reflected in the writings of prominent economists from the time of Adam Smith to the emergence of marginalism and neoclassical economics.
Notes:
Prerequisite: ECON 250
Corequisite: ECON 352
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 461
Credit Weight: 3
Transcript Title: Hist of Thought 2 - Honours
Calendar Title: History of Thought 2 - Honours.
Description:
The evolution of economic thought in the 20th century, as reflected in the
writings of prominent economists on equilibrium, dynamics, games, expectations,
econometrics, industrial structure, economic policy and other primary areas of
interest.
Notes:
Prerequisite: ECON 250.
Corequisite: ECON 352
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 462
Credit Weight: 3
Transcript Title: Seminar in Economic History
Calendar Title: Seminar in Economic History.
Description:
In this course economic theory is explicitly employed to elucidate issues in
economic history. The topics will be announced at the beginning of the academic
year.
Notes:
Prerequisites: either ECON 227 or ECON 257, and either ECON 330 or ECON 352
Restriction(s): Not open to students who have taken ECON 451 before fall 2014.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 468
Credit Weight: 3
Transcript Title: Econometrics 1 - Honours
Calendar Title: Econometrics 1 - Honours.
Description:
The statistical basis of econometric modelling and treatment of the linear
regression model; simple time series models; procedures for inference in linear
cases; an introduction to methods for dealing with endogeneity and non-constant
variance.
Notes:
Prerequisite(s): ECON 257D1/D2 or permission of the instructor.
Restriction(s): Not open to students who have taken or are taking ECON 467D1/D2
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 469
Credit Weight: 3
Transcript Title: Econometrics 2 - Honours
Calendar Title: Econometrics 2 - Honours.
Description: Treatment of asymptotic theory and classical inferential procedures, an introduction to the bootstrap, maximum likelihood, non-linear models, mis-specification testing, non-stationarity and limited dependent variable models.
Notes:
Prerequisite: ECON 468
Restriction(s): Not open to students who have taken or are taking ECON 467D1/D2
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 473
Credit Weight: 3
Transcript Title: Income Distribution
Calendar Title: Income Distribution.
Notes: Prerequisite: ECON 230 or ECON 250; ECON 227 or ECON 257 or equivalent; Calculus 1 and 2.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 480
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description: In this course students must undertake a research project under close supervision. They must also do such special reading and research as their advisers direct.
Notes: Restrictions: Open to U3 students only. Not open to students who have taken ECON 481. A minimum average GPA of 3.15 is required in ECON 250D/230D, ECON 352D/330D and ECON 257D/227D as well as in all economics courses. Students must complete a Research Project Registration Form, have it signed by the professor who has agreed to supervise the research project, countersigned by the Director of the Undergraduate Program in Economics, and submit it to the Economics Department Office prior to registering in this course. A student cannot take this course more than once for credit. The duration and amount of work required for ECON 480 has to be commensurate with that for 400 level courses.
Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 510
Credit Weight: 3
Transcript Title: Experimental Economics
Calendar Title: Experimental Economics.
Description:
Experimental methodology, current topics in experimental economics, and market design.

Notes:
Prerequisites: ECON 230 or ECON 250 or permission of the instructor.
Restrictions: For U3 students.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 511
Credit Weight: 3
Transcript Title: Energy, Economy & Environment
Calendar Title: Energy, Economy and Environment.
Description:
Interdisciplinary study of the short-term and long-term interactions between economic activity, energy usage and the environment. Implications of rising fossil fuels usage for environmental damage and its consequences for the future. The political economy of energy in national politics and international relations; the interface of energy and financial flows; the challenge of globally managing toxic residues.
Notes:
Prerequisite(s): 3 credits of microeconomics and 3 credits of macroeconomics.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 525
Credit Weight: 3
Transcript Title: Project Analysis
Calendar Title: Project Analysis.
Description:
A course in cost benefit analysis for graduate and advanced undergraduate students.
Notes:
Restriction: Open to advanced undergraduate students. Prerequisite: ECON 250, ECON 352 or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 531
Credit Weight: 3
Transcript Title: Historical Exper of Econ Dev
Calendar Title: Historical Experience of Economic Development.
Description:
Examination of historical patterns of economic development.
Notes:
Prerequisite: ECON 230 or ECON 250 or equivalent.
Restriction: Not open to students who have taken ECON 631.

Administering Faculty: Faculty of Arts
Teaching Department: Economics
Status (catalog level): Active

ECON 546
Credit Weight: 3
Transcript Title: Game Theory
**Calendar Title:** Game Theory.

**Description:**
This course introduces students to game theory, the branch of the social sciences that focuses on the formal modelling and analysis of human interactions and strategic behaviour. Basic concepts in cooperative and non-cooperative games are applied to economic models.

**Notes:**
- Prerequisite: ECON 230 or ECON 250
- Restriction: Not open to students who have taken ECON 446. Open to advanced undergraduate students

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Economics

**Status (catalog level):** Active

**ECON 581**

**Credit Weight:** 3

**Transcript Title:** Selected Topics in Economics

**Calendar Title:** Selected Topics in Economics.

**Description:**
Open to advanced undergraduate and graduate students. Topics may vary from year to year.

**Notes:**
- Prerequisite(s): ECON 230D1/D2 or ECON 250D1/D2 and ECON 330D1/D2 or ECON 352D1/D2.
- Restriction(s): Open to graduate students, final year Honours students, and other advanced undergraduate students.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Economics

**Status (catalog level):** Active

**ECON 610**

**Credit Weight:** 3

**Transcript Title:** Microeconomic Theory 1

**Calendar Title:** Microeconomic Theory 1.

**Description:**
This is the first in a two-course sequence in microeconomics. The core microeconomics sequence (ECON 610, ECON 611) provides a rigorous coverage of the economic foundation upon which economic fields are built. Most of the sequence is devoted to building up this foundation of consumer and firm optimisation (including choice under uncertainty), partial and general equilibrium, and welfare economics. The remainder of ECON 611 covers special topics that vary from year to year. These are likely to be drawn from the following: social choice; externalities and public goods; models of asymmetric information; the principal-agent framework; search; basic game theory.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Economics

**Status (catalog level):** Active

**ECON 611**

**Credit Weight:** 3

**Transcript Title:** Microeconomic Theory 2

**Calendar Title:** Microeconomic Theory 2.

**Description:**
This is the second in a two-course sequence in microeconomics.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Economics
ECON 620
Credit Weight: 3
Transcript Title: Macroeconomic Theory 1
Calendar Title: Macroeconomic Theory 1.
Description: This course is the first in a two-course sequence in macroeconomics. The course offers a thorough treatment of the fundamentals of macroeconomic theory. Emphasis is placed on the construction of economic models with microeconomic foundations. Topics include market-clearing and non-market-clearing models, capital accumulation, business cycles, monetary policy and fiscal policy.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 621
Credit Weight: 3
Transcript Title: Macroeconomic Theory 2
Calendar Title: Macroeconomic Theory 2.
Description: This is the second in a two-course sequence in macroeconomics. The course provides an in-depth analysis of selected issues in macroeconomic theory, extending and complementing the coverage provided in ECON 620.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 623
Credit Weight: 3
Transcript Title: Money and Banking
Calendar Title: Money and Banking.
Description: A rigorous analysis of the demand and supply of money and the role that it plays in the economy. Study of the ideas of the major schools of thought in monetary economics.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 624
Credit Weight: 3
Transcript Title: International Economics
Calendar Title: International Economics.
Description: A detailed examination of theories and policies in international trade and finance.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 624D1
Credit Weight: 1.5
Transcript Title: International Economics
Calendar Title: International Economics.
Description:
A detailed examination of theories and policies in international trade and finance.

Notes:
Students must register for both ECON 624D1 and ECON 624D2
No credit will be given for this course unless both ECON 624D1 and ECON 624D2 are successfully completed in consecutive terms
ECON 624D1 and ECON 624D2 together are equivalent to ECON 624

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 624D2
Credit Weight: 1.5
Transcript Title: International Economics
Calendar Title: International Economics.
Description: See ECON 624D1 for course description.
Notes:
Prerequisite: ECON 624D1
No credit will be given for this course unless both ECON 624D1 and ECON 624D2 are successfully completed in consecutive terms
ECON 624D1 and ECON 624D2 together are equivalent to ECON 624

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 625
Credit Weight: 3
Transcript Title: Economics of Natural Resources
Calendar Title: Economics of Natural Resources.
Description: The concept of optimal resource management and the associated rules, such as Hotelling's rule and Faustmann's rule. Implications of the need to sink capital for equilibrium in resource utilization under certainty and uncertainty. Conditions under which there is market failure and the merits of price and quantity instruments.

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 634
Credit Weight: 3
Transcript Title: Economic Development 3
Calendar Title: Economic Development 3.
Description: A systematic treatment of the characteristics and problems of economic development in underdeveloped countries.

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 637
Credit Weight: 3
Transcript Title: Indust Organization&Regulation
Calendar Title: Industrial Organization and Regulation.
Description:
An analysis of the nature of the firm, industrial structure and the effect of structure on firm and industry behaviour and performance.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 641**  
**Credit Weight:** 3  
**Transcript Title:** Labour Economics  
**Calendar Title:** Labour Economics.  
**Description:** A synthesis of theoretical developments in the area of labour economics with stress upon problems of empirical testing.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 647**  
**Credit Weight:** 3  
**Transcript Title:** Applied Computational Econ  
**Calendar Title:** Applied Computational Economics.  
**Description:** Study of tools that allow numerical solutions to selected economics problems for which closed-form analytical solutions are not available. Coverage includes solutions to dynamic stochastic models in economics and finance, including dynamic programming in discrete and continuous time.  

**Notes:**  
Corequisite: ECON 620  
Restriction: Not open to students who have taken ECON 752 when topic was "Applied Computational Economics"  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 650**  
**Credit Weight:** 3  
**Transcript Title:** Research 1  
**Calendar Title:** Research 1.  
**Description:** Preparation for work on M.A. thesis and M.A. research report.  

**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Economics  
**Status (catalog level):** Active

**ECON 651**  
**Credit Weight:** 3  
**Transcript Title:** Research 2  
**Calendar Title:** Research 2.  
**Description:** Preparation for work on M.A. thesis and M.A. research report.  

**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Economics  
**Status (catalog level):** Active
ECON 652
Credit Weight: 3
Transcript Title: Research 3
Calendar Title: Research 3.
Description: Preparation for work on M.A. thesis and M.A. research report.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 653
Credit Weight: 3
Transcript Title: Research 4
Calendar Title: Research 4.
Description: Preparation for work on M.A. thesis and M.A. research report.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 654
Credit Weight: 3
Transcript Title: Research Methods in Economics
Calendar Title: Research Methods in Economics.
Description: Preparation of M.A. research papers.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 661
Credit Weight: 3
Transcript Title: Applied Time-Series & Forecast
Calendar Title: Applied Time-Series and Forecasting.
Description: Essential methods used in practical forecasting and modelling contexts: standard

time series models for forecasting; non-stationary data; conditional

variance forecasts; nowcasting macroeconomic quantities; density and probability

forecasts; feasible forecast horizons; forecast evaluation and presentation.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 662
Credit Weight: 3
Transcript Title: Econometrics 1
Calendar Title: Econometrics 1.
Description: A broad treatment of linear methods: OLS, GLS, and IV mainly, and show how to

apply the bootstrap to these models, with particular reference to parametric

specification testing, and diagnostic testing (autocorrelation, heteroskedasticity, normality, parameter constancy).
Notes:
Restriction: Not open to students who have taken ECON 662D1/D2

Administrating Faculty: Graduate Studies

Teaching Department: Economics

Status (catalog level): Active

ECON 663
Credit Weight: 3
Transcript Title: Econometrics 2
Calendar Title: Econometrics 2.

Description:
Topics include: non-linear regression, maximum likelihood, generalised method of moments (GMM), and non-stationary processes, basically tests for unit roots and cointegration.

Notes:
Prerequisite: ECON 662
Restriction: Not open to students who have taken ECON 662D1/D2

Administrating Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 664
Credit Weight: 3
Transcript Title: Applied Cross-Sectional Mthds
Calendar Title: Applied Cross-Sectional Methods.

Description:
With limited public resources, determining which programs, reforms, policies are beneficial, and at what cost, is crucial, and allows public policy to be driven by evidence. However, evaluating programs is made difficult by the "counterfactual problem": one cannot observe the outcomes or behavior of a participant, had (s)he not participated. This course will describe the standard OLS model, its limitations, and an improvement (panel data models). This course will then present the state-of-the-art empirical techniques used by economists to address the counterfactual issue (randomized experiments, instrumental variables, difference-in-differences, regression discontinuity design; and time permitting selection models and matching). For each of these approaches, we will give the basic intuition, discuss the necessary assumptions, present the strengths and weaknesses, and analyze applications drawn from the literature. Moreover, each technique will be implemented by the students in hands-on Stata sessions.

Administrating Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 665
Credit Weight: 3
Transcript Title: Quantitative Methods
Calendar Title: Quantitative Methods.

Description:
A survey of quantitative methods frequently used in economic research. Special emphasis will be placed upon the formulation and evaluation of econometric models. Illustrations will be drawn from the existing empirical literature in economics. Required for all Ph.D. students who have not taken Econometrics as a field.

Notes:

Administrating Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active
ECON 670
Credit Weight: 6
Transcript Title: Thesis 1
Calendar Title: Thesis 1.
Description: Written and oral presentation of thesis proposal to the research Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 671
Credit Weight: 6
Transcript Title: Thesis 2
Calendar Title: Thesis 2.
Description: Written and oral presentation of thesis proposal to the research Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 672
Credit Weight: 6
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description: Written and oral presentation of thesis proposal to the research Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 680
Credit Weight: 3
Transcript Title: M.A. Report 1
Calendar Title: M.A. Report 1.
Description: The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.
Notes: Administrative Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 681
Credit Weight: 3
Transcript Title: M.A. Report 2
Calendar Title: M.A. Report 2.
Description: The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with
the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 681D1
Credit Weight: 1.5
Transcript Title: M.A. Report 2
Calendar Title: M.A. Report 2.
Description:
The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.

Notes:
Students must register for both ECON 681D1 and ECON 681D2
No credit will be given for this course unless both ECON 681D1 and ECON 681D2 are successfully completed in consecutive terms
ECON 681D1 and ECON 681D2 together are equivalent to ECON 681

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 681D2
Credit Weight: 1.5
Transcript Title: M.A. Report 2
Calendar Title: M.A. Report 2.
Description:
See ECON 681D1 for course description.

Notes:
Prerequisite: ECON 681D1
No credit will be given for this course unless both ECON 681D1 and ECON 681D2 are successfully completed in consecutive terms
ECON 681D1 and ECON 681D2 together are equivalent to ECON 681

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 682
Credit Weight: 3
Transcript Title: M.A. Report 3
Calendar Title: M.A. Report 3.
Description:
The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active
ECON 682D1
Credit Weight: 1.5
Transcript Title: M.A. Report 3
Calendar Title: M.A. Report 3.
Description: The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.
Notes: Students must register for both ECON 682D1 and ECON 682D2
No credit will be given for this course unless both ECON 682D1 and ECON 682D2 are successfully completed in consecutive terms
ECON 682D1 and ECON 682D2 together are equivalent to ECON 682
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 682D2
Credit Weight: 1.5
Transcript Title: M.A. Report 3
Calendar Title: M.A. Report 3.
Description: See ECON 682D1 for course description.
Notes: Prerequisite: ECON 682D1
No credit will be given for this course unless both ECON 682D1 and ECON 682D2 are successfully completed in consecutive terms
ECON 682D1 and ECON 682D2 together are equivalent to ECON 682
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 683
Credit Weight: 3
Transcript Title: M.A. Report 4
Calendar Title: M.A. Report 4.
Description: The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 688
Credit Weight: 3
Transcript Title: Seminar on Social Statistics
Calendar Title: Seminar on Social Statistics.
Description: Seminar on social statistics.
Administering Faculty: Graduate Studies  
Teaching Department: Economics  
Status (catalog level): Active  

ECON 701  
Credit Weight: 0  
Transcript Title: Ph.D. Comprehensive Examination 1  
Calendar Title: Ph.D. Comprehensive Examination 1.  
Description:  
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.  
Notes:  
Restriction: Not open to students who have taken ECON 799, ECON 799D1, ECON 799D2.  

Administering Faculty: Graduate Studies  
Teaching Department: Economics  
Status (catalog level): Active  

ECON 702  
Credit Weight: 0  
Transcript Title: Ph.D. Comprehensive Examination 2  
Calendar Title: Ph.D. Comprehensive Examination 2.  
Description:  
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.  

Administering Faculty: Graduate Studies  
Teaching Department: Economics  
Status (catalog level): Active  

ECON 703  
Credit Weight: 0  
Transcript Title: Ph.D. Field 1 Synthesis  
Calendar Title: Ph.D. Field 1 Synthesis.  
Description:  
Milestone assessment of mastery in a field area of economics, demonstrating ability to read, understand, critically assess frontier research work, and make significant original contributions in the field.  
Notes:  
Prerequisites: Two field courses, which vary depending on the field chosen by the students. These courses are approved by the GPD at the start of the academic year.  

Administering Faculty: Graduate Studies  
Teaching Department: Economics  
Status (catalog level): Active  

ECON 704  
Credit Weight: 0  
Transcript Title: Ph.D. Field 2 Synthesis  
Calendar Title: Ph.D. Field 2 Synthesis.  
Description:  
Milestone assessment of mastery in a field area of economics, demonstrating ability to read, understand, critically assess frontier research work, and make significant original contributions in the field.  
Notes:  
Prerequisite: Two field courses, which vary depending on the field chosen by the students. These courses are approved by the GPD at the start of the academic year.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 705
Credit Weight: 3
Transcript Title: Reading Crse: Select Topic Econ
Calendar Title: Reading Course: Selected Topics Economics.
Description:
Reading course in Economics.

ECON 706
Credit Weight: 3
Transcript Title: Selected Topics
Calendar Title: Selected Topics.
Description:
Reading course in Economics.
Notes:
Prerequisites: ECON 610, ECON 620 and 6 additional credits at the 600 level

ECON 709
Credit Weight: 3
Transcript Title: Microeconomic Theory 3
Calendar Title: Microeconomic Theory 3.
Description:
Doctoral-level microeconomic theory.

ECON 710
Credit Weight: 3
Transcript Title: Selected Topics in Economics
Calendar Title: Selected Topics in Economics.
Description:
Selected topics in specialized areas of Economics.

ECON 711
Credit Weight: 3
Transcript Title: Microeconomic Theory 2
Calendar Title: Microeconomic Theory 2.
Description:
This course is the second part of a two-semester doctoral level microeconomic theory sequence.
ECON 712
Credit Weight: 3
Transcript Title: Macroeconomic Theory 1
Calendar Title: Macroeconomic Theory 1.
Description: This course is the first part of a two-semester doctorals level macroeconomic theory sequence.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 713
Credit Weight: 3
Transcript Title: Macroeconomic Theory 2
Calendar Title: Macroeconomic Theory 2.
Description: This course is the second part of a two-semester doctoral level macroeconomic theory sequence
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 720
Credit Weight: 3
Transcript Title: Advanced Game Theory
Calendar Title: Advanced Game Theory.
Description: The main focus of the course will be the "theory of social situations" (which is closely related to "game theory") which is a new and integrative approach to the study of formal models (both cooperative and non-cooperative) in the social sciences.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 721
Credit Weight: 3
Transcript Title: Advanced Monetary Theory
Calendar Title: Advanced Monetary Theory.
Description: Selected topics in monetary theory, the theory of monetary policy, and the history of monetary institutions.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 722
Credit Weight: 3
Transcript Title: Advanced Topics in Macroecon
Calendar Title: Advanced Topics in Macroeconomics.
Description: This course covers papers at the research frontier of selected areas in macroeconomics. The goal is to teach students how to do research on such topics and thus put them on a path to their doctoral thesis.
Notes:
Prerequisite(s): ECON 712 and ECON 713 or permission of the instructor.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Economics

**Status (catalog level):** Active

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**ECON 724**

**Credit Weight:** 3

**Transcript Title:** International Economics

**Calendar Title:** International Economics.

**Description:**
Selected problems in international trade, foreign exchange and international movements of capital.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Economics

**Status (catalog level):** Active

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**ECON 726**

**Credit Weight:** 3

**Transcript Title:** Topics in Environmental Econ.

**Calendar Title:** Topics in Environmental Economics.

**Description:**
Topics in environmental economics.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Economics

**Status (catalog level):** Active

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**ECON 734**

**Credit Weight:** 3

**Transcript Title:** Economic Development 4

**Calendar Title:** Economic Development 4.

**Description:**
Problems of economic growth and planning in selected underdeveloped countries. Topics covered vary from year to year in response to student interests; growth, poverty and income distribution, LDC labour markets and institutions, trade and development, international debt problems, issues in trade policy.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Economics

**Status (catalog level):** Active

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**ECON 737**

**Credit Weight:** 3

**Transcript Title:** Indust Organization&Reg Sem

**Calendar Title:** Industrial Organization and Regulation Seminar.

**Description:**
Builds on material covered in ECON 637. Problems are examined in greater depth with specific topics varying from year to year.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Economics

**Status (catalog level):** Active

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**ECON 741**

**Credit Weight:** 3

**Transcript Title:** Advanced Labour Economics

**Calendar Title:** Advanced Labour Economics.

**Description:**
Selected theoretical and policy issues in labour economics.
Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 742
Credit Weight: 3
Transcript Title: Empirical Microeconomics
Calendar Title: Empirical Microeconomics.
Description: Surveys the empirical techniques used in applied microeconomic fields, particularly development and labour economics. Focus is on the formulation of empirical models derived from economic theory, and on various estimation methodologies, including panel data econometrics, limited dependent variable models, and duration analysis. A "hands on" approach is emphasized.
Notes: Prerequisite: First term of ECON 662 and either ECON 634 or ECON 641, or consent of the instructor

ECON 744
Credit Weight: 3
Transcript Title: Health Economics
Calendar Title: Health Economics.
Description: The emphasis will be on describing and analyzing the structure and performance of the Canadian health system, though some attention will be given to recent attempts by the federal and provincial governments to deal with current problems in this field. Readings will be selected from the economics and health literature.

ECON 761
Credit Weight: 3
Transcript Title: Econometrics: Time Series Anal
Calendar Title: Econometrics: Time Series Analysis.
Description: Theory and application of linear, non-linear expectational and asymptotic time series models to economic phenomena. Probabilistic models of economic dynamics and experimental economies, including simulation.

ECON 762
Credit Weight: 3
Transcript Title: Econ-Asymptotic&Finite-Sample
Calendar Title: Econometrics - Asymptotic and Finite - Sample.
Description: Exact and asymptotic distribution theory in econometrics: basic results for estimation and inference in regression models, extensions and other selected topics including nonparametric and distribution-free methods for econometric models.
ECON 762D1
Credit Weight: 1.5
Transcript Title: Econ-Asymptotic&Finite-Sample
Calendar Title: Econometrics - Asymptotic and Finite - Sample.
Description:
Exact and asymptotic distribution theory in econometrics: basic results for estimation and inference in regression models, extensions and other selected topics including nonparametric and distribution-free methods for econometric models.
Notes:
Students must register for both ECON 762D1 and ECON 762D2
No credit will be given for this course unless both ECON 762D1 and ECON 762D2 are successfully completed in consecutive terms
ECON 762D1 and ECON 762D2 together are equivalent to ECON 762

ECON 762D2
Credit Weight: 1.5
Transcript Title: Econ-Asymptotic&Finite-Sample
Calendar Title: Econometrics - Asymptotic and Finite-Sample.
Description:
See ECON 762D1 for course description.
Notes:
Prerequisite: ECON 762D1
No credit will be given for this course unless both ECON 762D1 and ECON 762D2 are successfully completed in consecutive terms
ECON 762D1 and ECON 762D2 together are equivalent to ECON 762

ECON 763
Credit Weight: 3
Transcript Title: Financial Econometrics
Calendar Title: Financial Econometrics.
Description:
This course covers advanced time series methods used in the analysis of financial data and other potentially non-stationary time series. Topics: integrated time series, co-integration, unit root testing, conditional heteroscedasticity, long memory, non-parametric and neural network models. Applications include market efficiency, stochastic volatility and predictability of asset returns.

ECON 765
Credit Weight: 3
Transcript Title: Models for Financial Economics
Calendar Title: Models for Financial Economics.
Description:
A review of mathematical techniques used in modern finance theory, including measure theory and stochastic processes in continuous time (e.g., Brownian motion) and other techniques essential to understanding arbitrage pricing theory, including the pricing of options.

Notes:
Prerequisite: Permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 770
Credit Weight: 1
Transcript Title: PhD Research Seminar 1
Calendar Title: PhD Research Seminar 1.
Description:
Presentation of PhD research.
Notes:
Prerequisites: All comprehensive and field examinations are to be completed. ECON 770 must be taken before ECON 771.

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active

ECON 771
Credit Weight: 1
Transcript Title: PhD Research Seminar 2
Calendar Title: PhD Research Seminar 2.
Description:
Presentation of PhD research.
Notes:
Prerequisites: All comprehensive and field examinations are to be completed. ECON 770 must be taken before ECON 771.

Administering Faculty: Graduate Studies
Teaching Department: Economics
Status (catalog level): Active
ECSE 200
Credit Weight: 3
Transcript Title: Electric Circuits 1
Calendar Title: Electric Circuits 1.
Description:
Notes:
(4-2-3)
Prerequisite: PHYS 142 or CEGEP equivalent.
Corequisite: MATH 263
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 201
Credit Weight: 2
Transcript Title: Co-operative Work Term 1
Calendar Title: Co-operative Work Term 1.
Description:
Supervised and evaluated work experience.
Notes:
Prerequisites: (ECSE 250 or COMP 250 or ECSE 223) and (CCOM 206 or WCOM 206).
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 202
Credit Weight: 3
Transcript Title: Intro to Software Development
Calendar Title: Introduction to Software Development.
Description:
Software development practices in the context of structured and object-oriented programming. Introduces the formalisms inherent in medium-to-large scale object-oriented programming. Introduction to tools and practices employed in commercial software development.
Notes:
(3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 205
Credit Weight: 3
Transcript Title: Prob and Stats for Engineers
Calendar Title: Probability and Statistics for Engineers
Description:
Probability: basic probability model, conditional probability, Bayes rule, random variables and vectors, distribution and density functions, common distributions in engineering, expectation, moments, independence, laws of large numbers, central limit theorem. Statistics: descriptive measures of engineering data, sampling distributions, estimation of mean and variance, confidence intervals, hypothesis testing, linear regression.
**Notes:**
Not open to students who have taken ECSE 305.

(3-2-4)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 206**

**Credit Weight:** 3

**Transcript Title:** Intro to Signals and Systems

**Calendar Title:** Introduction to Signals and Systems.

**Description:**

**Notes:**
Prerequisite(s): ECSE 200

(3-2-4)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 209**

**Credit Weight:** 3

**Transcript Title:** Electrotechnology

**Calendar Title:** Electrotechnology.

**Description:**
DC and AC circuit analysis with application to electrical instrumentation, motors, and other common devices. Equations describing exponential and oscillatory behaviour of basic circuits and automatic control loops, with application in diverse engineering contexts (transportation, processing plants, environmental surveying). Overview of common devices including sensors (pH meters, photoresistor, photodiode, thermocouple, strain gauge, gas detection), actuators, and motors (single- and three-phase). In-class demonstrations involving programmed microcontrollers to activate LEDs and stepper-motor based actuators. Introduction to hierarchical control, linking low-level sensor-driven adjustments to higher-level control.

**Notes:**
Prerequisites: PHYS 142 or equivalent

Restriction: Not open to students who have taken or are taking ECSE 200.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 210**

**Credit Weight:** 3

**Transcript Title:** Electric Circuits 2

**Calendar Title:** Electric Circuits 2.

**Description:**
of continuous-time LTI systems.

Notes:
(4-2-3)
Prerequisite: ECSE 200

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 211
Credit Weight: 3
Transcript Title: Design Principles and Methods
Calendar Title: Design Principles and Methods.

Description:
Engineering process: design specifications, parameters, optimization, implementation, troubleshooting and refinement; project management: scheduling, risk analysis, project control; case studies; design examples and project.

Notes:
(2-6-1)
Prerequisite(s): ECSE 200 and (ECSE 202 or COMP 202)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 222
Credit Weight: 3
Transcript Title: Digital Logic
Calendar Title: Digital Logic.

Description:
An introduction to digital logic, binary numbers and Boolean algebra, combinational circuits, optimized implementation of combinational circuits, arithmetic circuits, combinational circuit building blocks, flip-flops, registers, counters, design of digital circuits with VHDL, and synchronous sequential circuits.

Notes:
Prerequisite(s): COMP 202 or ECSE 202
(3-2-4)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 223
Credit Weight: 3
Transcript Title: Model-Based Programming
Calendar Title: Model-Based Programming.

Description:
Integration of modelling with programming; abstraction in software engineering; structural modelling; state-based modelling; modelling of object-oriented systems, code generation; natural language constraints in modelling notations; architectural and design patterns; integrated development environments; programming tools (debugging, continuous build/integration, version control and code repositories, diff, defect and issue tracking, refactoring); code review processes.

Notes:
Prerequisite(s): ECSE 250 or COMP 250
(3-2-4)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 250
Credit Weight: 3
Transcript Title: Fundamentals of Software Development
Calendar Title: Fundamentals of Software Development.
Description: Software development practices in the context of object-oriented programming. Elementary data structures such as lists, stacks and trees. Recursive and non-recursive algorithms: searching and sorting, tree and graph traversal. Asymptotic notation: Big O. Introduction to tools and practices employed in commercial software development.
Notes: Prerequisite: COMP 202 (3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 251
Credit Weight: 3
Transcript Title: Electric and Magnetic Fields
Calendar Title: Electric and Magnetic Fields.
Description: Divergence, gradient and curl. The divergence theorem and Stokes' theorem. Maxwell's equations, electrostatics, magnetostatics and induction for power-frequency electrical engineering problems.
Notes: Prerequisite(s): ECSE 200 and MATH 262 (3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 301
Credit Weight: 2
Transcript Title: Co-operative Work Term 2
Calendar Title: Co-operative Work Term 2.
Description: Supervised and evaluated work experience.
Notes: Prerequisites: ECSE 201 and ECSE 321
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 303
Credit Weight: 3
Transcript Title: Signals and Systems 1
Calendar Title: Signals and Systems 1.
Description: Elementary continuous and discrete-time signals, impulse functions, basic properties of discrete and continuous linear time-invariant (LTI) systems, Fourier representation of continuous-time periodic and aperiodic signals, the Laplace transform, time and frequency analysis of continuous-time LTI systems, application of transform techniques to electric circuit analysis.
Notes:
(3-2-4)
Prerequisites: ECSE 210, MATH 247 or MATH 270 or MATH 271.
Corequisite: MATH 249 or MATH 381
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 305
Credit Weight: 3
Transcript Title: Probability & Random Signals 1
Calendar Title: Probability and Random Signals 1.
Description:
The basic probability model, the heuristics of model-building and the additivity of probability; classical models; conditional probability and Bayes rule; random variables and vectors, distribution and density functions, expectation; statistical independence, laws of large numbers, central limit theorem; introduction to random processes and random signal analysis.
Notes:
(3-2-4)
Prerequisite: ECSE 303 or ECSE 306.
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 307
Credit Weight: 4
Transcript Title: Linear Systems and Control
Calendar Title: Linear Systems and Control.
Description:
Modelling and simulation of control systems, review of LTI systems, time response of first and second order systems, state space modeling, controllability, state feedback and pole placement, observability, observer design, and output feedback, block diagrams and their simplification, Routh-Hurwitz stability criterion, system type and steady state errors, Bode plots, Nyquist plots, Nyquist stability criterion, gain and phase margins, lead-lag compensators. Lab work involving step response, frequency response, system identification, state feedback, output feedback, and lead-lag compensators.
Notes:
Prerequisite(s): ECSE 206 and ECSE 210
(3-4-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 308
Credit Weight: 4
Transcript Title: Intro to Commun Sys & Networks
Calendar Title: Introduction to Communication Systems and Networks.
Description:
Information and bandwidth, signals, modulation and noise, transmission and switching. Principles of layered design and the OSI model, measures of performance. Information sources and services. Application, Presentation and Session layers. Transport and Network layers. Data link layer and multi-user
communication. Physical layer and transmission techniques. Wireline and wireless transmission media. Core (Backbone), and Access Communication Networks. Communication network classification. Laboratory work involving analog and digital transmission techniques.

Notes:
Prerequisite(s): ECSE 205 and ECSE 206 (3-4-5)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 310
Credit Weight: 3
Transcript Title: Thermodynamics of Computing
Calendar Title: Thermodynamics of Computing.
Description:
An introduction to thermodynamics from the perspective of computer engineering. The first and second laws of thermodynamics; elementary information theory (bits, entropy); energy storage and dissipation in electrical circuits; effects of noise in switching circuits; the fluctuation-dissipation theorem; Landauer's principle; reversible and irreversible computation; energy costs of communication; thermal resistance, heat sinking, and cooling technologies for computing circuits.

Notes:
Prerequisite(s): ECSE 200, ECSE 205, and ECSE 222 (3-2-4)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 316
Credit Weight: 3
Transcript Title: Signals and Networks
Calendar Title: Signals and Networks.
Description:
Introduction to the physical and software architecture of networks and the analysis and representation of signals; client-server and peer-to-peer architectures; layered design principles; network applications and socket programming; multimedia streaming, web transfer, and voice-over-IP; continuous-time and discrete-time signals; Fourier transforms and frequency domain analysis and representation of signals; filtering and sampling; flow and congestion control; solutions of linear constant-coefficient differential equations, transient and steady state response; Laplace transforms; addressing and routing for unicast, multicast, and broadcast transmission; wired and wireless access systems; multiple access protocols. Examples: Ethernet, http, TCP/IP, 802.11, OSPF, BGP.

Notes:
Prerequisite(s): COMP 251, ECSE 200, and MATH 263 (3-2-4)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 321
Credit Weight: 3
Transcript Title: Intro. to Software Engineering
Calendar Title: Introduction to Software Engineering.
Description:
Design, development and testing of software systems. Software life cycle: requirements analysis, software architecture and design, implementation, integration, test planning, and maintenance. The course involves a group project.

Notes:
(3-2-4)
Prerequisites: ECSE 223 and (COMP 202 or COMP 208 or ECSE 202)
Tutorials assigned by instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 324
Credit Weight: 4
Transcript Title: Computer Organization
Calendar Title: Computer Organization.
Description:
Basic computer structures; instruction set architecture; assembly language; input/output; memory; software; processor implementation; computer arithmetic. Lab work involving assembly language level programming of single-board computers.
Notes:
Prerequisite(s): ECSE 200, ECSE 222, and COMP 206
(3-4-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 325
Credit Weight: 3
Transcript Title: Digital Systems
Calendar Title: Digital Systems.
Description:
Design of digital systems. Implementation technologies; arithmetic modules; synthesis and advanced modelling techniques; verification; timing analysis; design for testability; asynchronous circuits; hardware/software co-design.
Notes:
Prerequisite(s): ECSE 324
(3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 326
Credit Weight: 3
Transcript Title: Software Requirements Engineer
Calendar Title: Software Requirements Engineering.
Description:
Techniques for eliciting requirements; languages and models for specification of requirements; analysis and validation techniques, including feature-based, goal-based, and scenario-based analysis; quality requirements; requirements traceability and management; handling evolution of requirements; requirements documentation standards; requirements in the context of system engineering; integration of requirements engineering into software engineering processes.
Notes:
Prerequisite: ECSE 223 or COMP 303
(3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 330
Credit Weight: 3
Transcript Title: Introduction to Electronics
Calendar Title: Introduction to Electronics.
Description:
Introduction to electronic circuits using operational amplifiers, PN junction diodes, bipolar junction transistors (BJTs), and MOS field-effect transistors (MOSFETs), including: terminal characteristics, large- and small-signal models; configuration and frequency response of single-stage amplifiers with discrete biasing. Introduction to SPICE. Simulation experiments.
Notes:
(3-2-4)
Prerequisite: ECSE 210
Tutorials assigned by instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 331
Credit Weight: 4
Transcript Title: Electronics
Calendar Title: Electronics.
Description:
Introduction to electronic circuits using operational amplifiers, PN junction diodes, bipolar junction transistors (BJTs), and MOS field-effect transistors (MOSFETs), including: terminal characteristics, large- and small-signal models; configuration and frequency response of amplifiers with discrete biasing. Introduction to SPICE. Lab work involving simulation experiments and testing of simple circuits using discrete transistors.
Notes:
Prerequisite(s): ECSE 210
(3-4-5)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 334
Credit Weight: 3
Transcript Title: Intro. to Microelectronics
Calendar Title: Introduction to Microelectronics.
Description:
Single-stage integrated-circuit amplifiers; differential and multistage amplifiers, integrated-circuit biasing techniques; non-ideal characteristics, frequency response; feedback amplifiers, output stages; digital CMOS logic circuits.
Notes:
(3-2-4)
Prerequisites: ECSE 291, ECSE 303 or ECSE 306, ECSE 330.
Tutorials assigned by instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active
ECSE 335
Credit Weight: 4
Transcript Title: Microelectronics
Calendar Title: Microelectronics.
Description: Single-stage integrated-circuit amplifiers; differential and multistage amplifiers, integrated-circuit biasing techniques; non-ideal characteristics, frequency response; feedback amplifiers, output stages; digital CMOS logic circuits. Lab work on designing, building, and debugging electronic hardware using discrete transistors and circuit building blocks.
Notes:
Prerequisite(s) ECSE 331
Restriction(s): Not open to students who have taken ECSE 334
(3-4-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 343
Credit Weight: 3
Transcript Title: Numerical Methods in Eng
Calendar Title: Numerical Methods in Engineering.
Notes:
(3-2-4)
Prerequisites: ECSE 205, MATH 263 and (ECSE 250 or COMP 250)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 353
Credit Weight: 3
Transcript Title: Electromagnetic Fields&Waves
Calendar Title: Electromagnetic Fields and Waves.
Notes:
(3-2-4)
Prerequisites: ECSE 210, MATH 262, MATH 263
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 354
Credit Weight: 4
Transcript Title: Electromag Wave Propagation
Calendar Title: Electromagnetic Wave Propagation.
Description:
Transient and steady state wave propagation in transmission lines; telephone and radio frequency lines; Smith's chart and impedance matching; Maxwell's equations, Helmholtz's equations, Poynting's theorem; plane waves, polarization, Snell's law, critical and Brewster's angle; rectangular waveguides, optical fibres, dispersion; radiation and antennas; S-parameters; lab work involving the Smith chart, communication transmission lines, reflection and refraction, and optical waveguides.
Notes:
Prerequisite(s): ECSE 251
(3-4-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 362
Credit Weight: 4
Transcript Title: Fundamentals of Power Eng
Calendar Title: Fundamentals of Power Engineering.
Description:
Notes:
Corequisite: CIVE 281
Prerequisite(s): ECSE 210, and ECSE 251
(3-4-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 396
Credit Weight: 1
Transcript Title: Honours Res Lab Rotation 1
Calendar Title: Honours Research Laboratory Rotation 1.
Description:
First in a series of four research laboratory rotations selected among research groups in the department of Electrical and Computer Engineering.
Notes:
(0-0-3)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 397
Credit Weight: 1
Transcript Title: Honours Res Lab Rotation 2
Calendar Title: Honours Research Laboratory Rotation 2.
Description:
Second in a series of four research laboratory rotations selected among research
groups in the department of Electrical and Computer Engineering.

Notes:
Prerequisite(s): ECSE 396
(0-0-3)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 401
Credit Weight: 2
Transcript Title: Co-operative Work Term 3
Calendar Title: Co-operative Work Term 3.
Description:
Supervised and evaluated work experience.
Notes:
Prerequisites: ECSE 301 and ECSE 326
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 402
Credit Weight: 2
Transcript Title: Co-operative Work Term 4
Calendar Title: Co-operative Work Term 4.
Description:
Supervised and evaluated work experience.
Notes:
Prerequisite: ECSE 401
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 403
Credit Weight: 4
Transcript Title: Control
Calendar Title: Control.
Description:
Stability of linear and non-linear systems, controllability, state space models, canonical forms, state space design of controllers, pole placement, LQR, observability, Luenberger observer, separation principle and certainty equivalence, loop transfer recovery, correspondence between system theoretic results for continuous- and discrete-time systems. Lab work involving applications of PID, lead-lag, full state feedback and LQR controllers to robotic devices.
Notes:
Prerequisite(s): ECSE 307
(3-4-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 404
Credit Weight: 3
Transcript Title: Control Systems
Calendar Title: Control Systems.
Description:
Modelling and simulation of control systems; basic concepts of linear systems; open and closed loop control; classical design of controllers - specifications in
the step response and the frequency domain; state space design of controllers -
pole placement and LQR; sampled data systems.

Notes:
(3-1-5)
Corequisite: ECSE 304 or ECSE 306

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 405
Credit Weight: 3
Transcript Title: Antennas
Calendar Title: Antennas.
Description:
Fundamentals of antenna theory: sources, radiation pattern and gain.
Classification of antennas. Main antenna types and their characteristics. Antenna
temperature, remote sensing and radar cross-section. Self and mutual impedances.
Special topics include adaptive antennas, very large array (VLA) used in radio
astronomy and biomedical applications.

Notes:
(3-0-6)
Prerequisites: ECSE 303 or ECSE 206 and ECSE 352 or ECSE 354
Restriction: Not open to students who have taken ECSE 593.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 408
Credit Weight: 4
Transcript Title: Communication Systems
Calendar Title: Communication Systems.
Description:
Communication system models; AM and FM modulation, performance of AM and FM
systems in noise; sampling, FDM and TDM multiplexing systems; baseband and
pass-band digital transmission over noisy band-limited channels, digital
modulation and detection techniques and their quantitative performance; concepts
of entropy and channel capacity, selected data compression and error-control
coding techniques. Illustrative examples taken from subscriber loop telephone
systems, evolution of internet modems and wireless cellular phone standards. Lab
work involving measurement of the performance of AM and FM systems with noise,
digital modulation techniques and spectra, experiments with basic error control
coding systems.

Notes:
Prerequisite(s): ECSE 205 and ECSE 308
Restriction(s): Not open to students who have taken ECSE 411.
(3-4-5)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 412
Credit Weight: 3
Transcript Title: Discrete Time Signal Processing
Calendar Title: Discrete Time Signal Processing.
Description:
Discrete-time signals and systems; Fourier and Z-transform analysis techniques,
the discrete Fourier transform; elements of FIR and IIR filter design, filter
structures; FFT techniques for high speed convolution; quantization effects.

**Notes:**
(3-2-4)

**Prerequisite(s):** ECSE 206 or ECSE 304 or ECSE 306.

Tutorials assigned by instructor.

**Administrating Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 415**

**Credit Weight:** 3

**Transcript Title:** Intro to Computer Vision

**Calendar Title:** Introduction to Computer Vision.

**Description:**

An introduction to the automated processing, analysis, and understanding of image data. Topics include image formation and acquisition, design of image features, image segmentation, stereo and motion correspondence matching techniques, feature clustering, regression and classification for object recognition, industrial and consumer applications, and computer vision software tools.

**Notes:**

Prerequisite(s): (ECSE 206 or ECSE 316) and ECSE 205.

(3-1-5)

**Administrating Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 416**

**Credit Weight:** 4

**Transcript Title:** Telecommunication Networks

**Calendar Title:** Telecommunication Networks.

**Description:**

Architecture and protocols of contemporary networks; wired and wireless access systems; flow and congestion control; network optimization; randomized multiple access protocols; queueing disciplines; low-power wireless networks. Examples: Ethernet, TCP/IP, 802.11, 802.15.4. Lab experiments addressing routing protocols, TCP, queue disciplines and quality-of-service, and network security.

**Notes:**

Prerequisite(s): (ECSE 250 or COMP 250), ECSE 205, and (ECSE 308 or ECSE 316)

Restriction(s): Not open to students who have taken ECSE 414 or ECSE 489.

(3-4-5)

**Administrating Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 420**

**Credit Weight:** 3

**Transcript Title:** Parallel Computing

**Calendar Title:** Parallel Computing.

**Description:**

Modern parallel computing architectures for shared memory, message passing and data parallel programming models. The design of cache coherent shared memory multiprocessors. Programming techniques for multithreaded, message passing and distributed systems. Use of modern programming languages and parallel programming libraries.

**Notes:**

(3-2-4)

Prerequisite: ECSE 427
ECSE 421
Credit Weight: 3
Transcript Title: Embedded Systems
Calendar Title: Embedded Systems.
Notes: (3-1-5)
Prerequisites: ECSE 324

ECSE 422
Credit Weight: 3
Transcript Title: Fault Tolerant Computing
Calendar Title: Fault Tolerant Computing.
Notes: (3-1-5)
Prerequisites: ECSE 324 and (ECSE 250 or COMP 250)

ECSE 423
Credit Weight: 3
Transcript Title: Fundamentals of Photonics
Calendar Title: Fundamentals of Photonics.
Description: Introduction to the fundamentals of modern optical and photonic engineering. Topics covered include the propagation of light through space, refraction, diffraction, polarization, lens systems, ray-tracing, aberrations, computer-aided design and optimization techniques, Gaussian beam analysis, micro-optics and computer generated diffractive optical elements. Experiments on physical and geometric optics.
Notes: (3-2-4)
Prerequisite: ECSE 354

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active
Status (catalog level): Active

ECSE 424
Credit Weight: 3
Transcript Title: Human-Computer Interaction
Calendar Title: Human-Computer Interaction.
Description: The course highlights human-computer interaction strategies from an engineering perspective. Topics include user interfaces, novel paradigms in human-computer interaction, affordances, ecological interface design, ubiquitous computing and computer-supported cooperative work. Attention will be paid to issues of safety, usability, and performance.
Notes: (3-4-2)
Prerequisites: (ECSE 324 and ECSE 250) or (ECSE 324 and COMP 250) or (COMP 251 and COMP 273)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 425
Credit Weight: 3
Transcript Title: Computer Architecture
Calendar Title: Computer Architecture.
Notes: (3-1-5)
Prerequisites: ECSE 324
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 426
Credit Weight: 3
Transcript Title: Microprocessor Systems
Calendar Title: Microprocessor Systems.
Description: Introduction to current microprocessors, their architecture, programming, interfacing and operating systems. The course includes lectures, use of crossassemblers, and simulators as well as laboratory experiments on actual microprocessor hardware.
Symbols: LIMT - Limited enrolment
Notes: (1-5-3)
Prerequisites: (CCOM 206 or WCOM 206) and ECSE 323.
This course may be counted as a technical complementary or a lab complementary.
Limited Enrolment (50)
Lab hours assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

**ECSE 427**
Credit Weight: 3
Transcript Title: Operating Systems
Calendar Title: Operating Systems.
Description: Operating system services, file system organization, disk and cpu scheduling, virtual memory management, concurrent processing and distributed systems, protection and security. Aspects of the DOS and UNIX operating systems and the C programming language. Programs that communicate between workstations across a network.
Notes: (3-1-5)
Prerequisite: ECSE 324 or COMP 273
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

**ECSE 428**
Credit Weight: 3
Transcript Title: Software Engineering Practice
Calendar Title: Software Engineering Practice.
Description: Software engineering practice in industry, related to the design and commissioning of large software systems. Ethical, social, economic, safety and legal issues. Metrics, project management, costing, marketing, control, standards, CASE tools and bugs. The course involves a large team project.
Notes: (3-1-5)
Students meet with the instructor and/or teaching assistant for one hour each week to discuss their project.
Prerequisite: ECSE 321
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

**ECSE 429**
Credit Weight: 3
Transcript Title: Software Validation
Calendar Title: Software Validation.
Description: Correct and complete implementation of software requirements. Verification and validation lifecycle. Requirements analysis, model based analysis, and design analysis. Unit and system testing, performance, risk management, software reuse. Ubiquitous computing.
Notes: (3-2-4)
Prerequisite: ECSE 321 or COMP 303
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active
Transcript Title: Photonic Devices and Systems
Calendar Title: Photonic Devices and Systems.
Description:
Introduction to photonic devices and applications. Semiconductor lasers, optical amplifiers, optical modulators, photodetectors and optical receivers, optical fibers and waveguides, fiber and waveguide devices. Photonic systems (communications, sensing, biomedical). Experiments on characterizing photonic devices and systems. Optical test-and-measurement instrumentation.
Notes:
(3-2-4)
Prerequisites: (ECSE 352 or ECSE 354) and MIME 262.
Tutorials assigned by instructor.
Administrating Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 433
Credit Weight: 4
Transcript Title: Phys Basis of Trans Devices
Calendar Title: Physical Basis of Transistor Devices.
Description:
Quantitative analysis of diodes and transistors. Semiconductor fundamentals, equilibrium and non-equilibrium carrier transport, and Fermi levels. PN junction diodes, the ideal diode, and diode switching. Bipolar Junction Transistors (BJT), physics of the ideal BJT, the Ebers-Moll model. Field effect transistors, metal-oxide semiconductor structures, static and dynamic behaviour, small-signal models. Laboratory experiments.
Notes:
Prerequisite(s): ECSE 251, ECSE 331, and MIME 262
(3-4-5)
Administrating Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 435
Credit Weight: 3
Transcript Title: Mixed-Signal Test Techniques
Calendar Title: Mixed-Signal Test Techniques.
Description:
Purpose and economics of mixed-signal test, DC measurements. Accuracy and repeatability. DSP-based theory and its applications to parametric testing of analog filters, DACs, and ADC. Timing and PLL measurements. Design for Testability.
Notes:
(3-2-4)
Prerequisites: ECSE 206 or ECSE 304 and ECSE 334 or ECSE 335
Note: This course may be counted as a technical complementary or as a lab complementary.
Administrating Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 437
Credit Weight: 3
Transcript Title: Software Delivery
Calendar Title: Software Delivery.
Description:
Design, development, and implementation of code integration processes, release pipelines, and deployment strategies.

Notes:
(3-2-4)
Prerequisite(s): ECSE 321 or COMP 303

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 439
Credit Weight: 3
Transcript Title: Software Language Engineering
Calendar Title: Software Language Engineering.
Description:
Practical and theoretical knowledge for developing software languages and models; foundations for model-based software development; topics include principles of model-driven engineering; concern-driven development; intentional, structural, and behavioral models as well as configuration models; constraints; language engineering; domain-specific languages; metamodeling; model transformations; models of computation; model analyses; and modeling tools.

Notes:
(3-2-4)
Prerequisites: ECSE 321 or COMP 303.
Restricted to Software Engineering students.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 444
Credit Weight: 4
Transcript Title: Microprocessors
Calendar Title: Microprocessors.
Description:
Design techniques for developing modern microprocessor-based systems, multiple state-of-art instructions set architectures (ISAs) and associated assembly languages, use of tools for compiling, linking, memory overlay; debug techniques for start-stop and real-time debugging, together with debug infrastructure and interfaces: flash patching, variable watching and instruction stream tracing. Use of coprocessors and computer peripherals, such as SPI, I2C, I2S, SAI, USB, wireless standards, timers, DMA units and FLASH accelerators. Interfacing and processing sensor data including multi-sensor integration. Design techniques that promote structured approaches for separation of concerns in computing and communication. Real-time systems and software engineering for tightly integrated hardware.

Notes:
Prerequisite(s): ECSE 324
Restriction(s): Not open to students who have taken ECSE 426.
(3-4-5)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 446
Credit Weight: 3
Transcript Title: Realistic Image Synthesis
Calendar Title: Realistic Image Synthesis.
Description: Introduction to mathematical models of light transport and the numerical techniques used to generate realistic images in computer graphics. Offline (i.e., raytracing) and interactive (i.e., shader-based) techniques.
Notes:
(3-2-4)
Prerequisites: (ECSE 205 and ECSE 250) or (ECSE 202, ECSE 205, and COMP 250)
Restrictions: Not open to students who have taken or are taking ECSE 546.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 451
Credit Weight: 3
Transcript Title: EM Transmission & Radiation
Calendar Title: EM Transmission and Radiation.
Description: Microwave transmission through waveguides: impedance matching, microwave devices, filters and resonators; microwave transmission though free space; near and far field behaviour of electromagnetic radiators, simple antennas, antenna arrays, practical antenna parameters; the physics of the radio communication channel: reflection, diffraction and scattering and their macroscopic impact (multipath, fading).
Notes:
(3-0-6)
Prerequisite: ECSE 352 or ECSE 354
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 456
Credit Weight: 3
Transcript Title: ECSE Design Project 1
Calendar Title: ECSE Design Project 1.
Description: A design project undertaken with close mentorship by a staff member and under the supervision of the course instructor. The project consists of defining an engineering problem, reviewing relevant background, acquiring/analyzing data, and seeking solutions using appropriate simulation/analysis tools and experimental investigations. Professional engineering practices will be followed.
Notes:
Prerequisites: ECSE 211, ECSE 322, (ECSE 323, ECSE 330) OR (CCOM 206 or WCOM 206, COMP 302, ECSE 306, ECSE 321)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 457
Credit Weight: 3
Transcript Title: ECSE Design Project 2
Calendar Title: ECSE Design Project 2.
Description: A design project undertaken with close mentorship by a staff member and under the supervision of the course instructor. The course is a continuation of ECSE 456.
Notes:
Prerequisite: ECSE 456

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 458D1
Credit Weight: 3
Transcript Title: Capstone Design Project
Calendar Title: Capstone Design Project.
Description:
A design project undertaken with close mentorship by a staff member and under the
supervision of the course instructor. The project consists of defining an
engineering problem, reviewing relevant background, acquiring/analyzing data, and
seeking solutions using appropriate simulation/analysis tools and
experimental investigations. Professional engineering practices will be followed.
Notes:
Prerequisites: ECSE 211 and ECSE 324 and (CCOM 206 OR WCOM 206) and (ECSE 331 or
COMP 302)
Students must register for both ECSE 458D1 and ECSE 458D2
No credit will be given for this course unless both ECSE 458D1 and ECSE 458D2 are
successfully completed in consecutive terms
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 458D2
Credit Weight: 3
Transcript Title: Capstone Design Project
Calendar Title: Capstone Design Project.
Description:
See ECSE 458D1 for course description.
Notes:
Prerequisite: ECSE 458D1
No credit will be given for this course unless both ECSE 458D1 and ECSE 458D2 are
successfully completed in consecutive terms
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 458N1
Credit Weight: 3
Transcript Title: Capstone Design Project
Calendar Title: Capstone Design Project.
Description:
A design project undertaken with close mentorship by a staff member and under the
supervision of the course instructor. The project consists of defining an
engineering problem, reviewing relevant background, acquiring/analyzing data, and
seeking solutions using appropriate simulation/analysis tools and
experimental investigations. Professional engineering practices will be followed.
Notes:
Prerequisites: ECSE 211 and ECSE 324 and (CCOM 206 or WCOM 206) and (ECSE 331 or
COMP 302)
Students must also register for ECSE 458N2
No credit will be given for this course unless both ECSE 458N1 and ECSE 458N2 are
successfully completed in a twelve month period.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 458N2
Credit Weight: 3
Transcript Title: Capstone Design Project
Calendar Title: Capstone Design Project.
Description:
See ECSE 458N1 for description.
Notes:
Prerequisite: ECSE 458N1
No credit will be given for this course unless both ECSE 458N1 and ECSE 458N2 are successfully completed in a twelve month period.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 460
Credit Weight: 3
Transcript Title: Appareillage électrique
Calendar Title: Appareillage électrique (Electrical Power Equipment).
Description:
Éléments d'un réseau de transport. Lignes: modélisation et paramètres.
Transformateurs: circuits équivalents, pertes, enclenchement, protection.
Disjoncteurs: fonctionnement et dimensionnement. Équipements de compensation:
condensateurs, branchement série et shunt, inductances. Coordination d'isolement.
Notes:
(3-2-4)
Prerequisite: ECSE 464.
Taught in French.
This course is offered by the Power Engineering Institute.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 461
Credit Weight: 3
Transcript Title: Electric Machinery
Calendar Title: Electric Machinery.
Description:
Electric and magnetic circuits. Notions of electromechanical energy conversion
applied to electrical machines. Basic electrical machines - transformers,
direct-current motors, synchronous motors and generators, three phase and single
phase induction machines. Elements of modern electronically controlled electric
drive systems.
Notes:
(3-1-5)
Restriction: Not open to students in Electrical Engineering.
Note: Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 463
Credit Weight: 3
Transcript Title: Electric Power Generation
**Calendar Title:** Electric Power Generation.

**Description:**
Primary energy resources, conventional and renewable. Electric power generation principles. Rotating and static power conversion, frequency and voltage control. Synchronous and induction generators, design and operation, grid integration requirements of central and distributed generation. Static power converter interfaces, principles and operation. Wind generation principles, control and wind farms. Electrochemical and pumped storage.

**Notes:**
(3-1-5)
Prerequisite: ECSE 362 or ECSE 461

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 464**

**Credit Weight:** 3

**Transcript Title:** Power Systems Analysis

**Calendar Title:** Power Systems Analysis.

**Description:**
Basic principles of planning and operating interconnected power systems with emphasis on Canadian conditions. Mathematical models for system. Steady-state analysis of power systems, load flow formulation and solution algorithms. Operating strategies, economic dispatch, voltage reactive power regulation, frequency and tie-line power control.

**Notes:**
(3-0-6)
Prerequisite: ECSE 361 or ECSE 362
This course is offered by the Power Engineering Institute.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 465**

**Credit Weight:** 3

**Transcript Title:** Power Electronic Systems

**Calendar Title:** Power Electronic Systems.

**Description:**

**Notes:**
(3-2-4)
Prerequisites: ECSE 331 or ECSE 330 and ECSE 361 or ECSE 362
This course is offered by the Power Engineering Institute.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 466**

**Credit Weight:** 3

**Transcript Title:** Réseaux de distribution

**Calendar Title:** Réseaux de distribution.

**Description:**

Notes:
(3-0-6)

Prerequisite(s): ECSE 361 or ECSE 362

Administering Faculty: Faculty of Engineering

Teaching Department: Electrical & Computer Engr

Status (catalog level): Active

ECSE 467
Credit Weight: 3

Transcript Title: Comportement des réseaux électriques

Calendar Title: Comportement des réseaux électriques.

Description:

Notes:
(3-0-6)

Prerequisite: ECSE 464.

Note: Taught in French. This course is offered by the Power Engineering Institute.

Administering Faculty: Faculty of Engineering

Teaching Department: Electrical & Computer Engr

Status (catalog level): Active

ECSE 468
Credit Weight: 3

Transcript Title: Electricité industrielle

Calendar Title: Electricité industrielle (Industrial Power Systems).

Description:

Notes:
(3-2-4)

Prerequisite: ECSE 361 or ECSE 362

This course is offered by the Power Engineering Institute. Taught in French.

Administering Faculty: Faculty of Engineering

Teaching Department: Electrical & Computer Engr

Status (catalog level): Active

ECSE 469
Credit Weight: 3
**Transcript Title:** Protection des réseaux électriques
**Calendar Title:** Protection des réseaux électriques.

**Description:**

**Notes:**
(3-0-6)
Prerequisite: ECSE 464.
Note: Taught in French. This course is offered by the Power Engineering Institute.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 470**

**Credit Weight:** 4

**Transcript Title:** Electromech & Static Conv Sys

**Calendar Title:** Electromechanical and Static Conversion Systems.

**Description:**

**Notes:**
Prerequisite(s): ECSE 362
(3-4-5)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 472**

**Credit Weight:** 3

**Transcript Title:** Fund. of Cir. Sim. & Modelling

**Calendar Title:** Fundamentals of Circuit Simulation and Modelling.

**Description:**

**Notes:**
(3-0-6).
Restriction(s): Not open to students who are taking or have taken ECSE 597.
Prerequisites: ECSE 206 and ECSE 331

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 478D1**

**Credit Weight:** 3

**Transcript Title:** Elect. Engin. Honours Thesis

**Calendar Title:** Electrical Engineering Honours Thesis.

**Description:**
A research project undertaken with close mentorship by a staff member and under the supervision of the course instructor. The thesis consists of defining an engineering problem, reviewing relevant background, acquiring/analyzing data, and seeking design solutions using appropriate simulation/analysis tools and experimental investigations.

Notes:
Prerequisite: CCOM 206 OR WCOM 206 and at least 42 Departmental credits
Students must register for both ECSE 478D1 and ECSE 478D2
No credit will be given for this course unless both ECSE 478D1 and ECSE 478D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 478D2
Credit Weight: 3
Transcript Title: Elect. Engin. Honours Thesis
Calendar Title: Electrical Engineering Honours Thesis.
Description:
See ECSE 478D1 for description.
Notes:
Prerequisite: ECSE 478D1
No credit will be given for this course unless both ECSE 478D1 and ECSE 478D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 478N1
Credit Weight: 3
Transcript Title: Elect. Engin. Honours Thesis
Calendar Title: Electrical Engineering Honours Thesis.
Description:
A research project undertaken with close mentorship by a staff member and under the supervision of the course instructor. The thesis consists of defining an engineering problem, reviewing relevant background, acquiring/analyzing data, and seeking design solutions using appropriate simulation/analysis tools and experimental investigations.
Notes:
Prerequisite: CCOM 206 OR WCOM 206 and at least 42 Departmental credits
Students must also register for ECSE 478N2
No credit will be given for this course unless both ECSE 478N1 and ECSE 478N2 are successfully completed in a twelve month period.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 478N2
Credit Weight: 3
Transcript Title: Elect. Engin. Honours Thesis
Calendar Title: Electrical Engineering Honours Thesis.
Description:
For description see ECSE 478N1
Notes:
Prerequisite: ECSE 478N1
No credit will be given for this course unless both ECSE 478N1 and ECSE 478N2 are
successfully completed in a twelve month period.

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Electrical & Computer Engr  
**Status (catalog level):** Active

**ECSE 496**  
**Credit Weight:** 1  
**Transcript Title:** Honours Res Lab Rotation 3  
**Calendar Title:** Honours Research Laboratory Rotation 3.  
**Description:**  
Third in a series of four research laboratory rotations selected among research groups in the Department of Electrical and Computer Engineering.  
**Notes:**  
(0-0-3)  
**Prerequisite(s):** ECSE 397  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Electrical & Computer Engr  
**Status (catalog level):** Active

**ECSE 497**  
**Credit Weight:** 1  
**Transcript Title:** Honours Res Lab Rotation 4  
**Calendar Title:** Honours Research Laboratory Rotation 4.  
**Description:**  
Fourth in a series of four research laboratory rotations selected among research groups in the Department of Electrical and Computer Engineering.  
**Notes:**  
**Prerequisite(s):** ECSE 496  
(0-0-3)  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Electrical & Computer Engr  
**Status (catalog level):** Active

**ECSE 498**  
**Credit Weight:** 3  
**Transcript Title:** Honours Thesis 1  
**Calendar Title:** Honours Thesis 1.  
**Description:**  
A research project undertaken with close mentorship by a staff member and under the supervision of the course instructor. The thesis consists of defining an engineering problem, reviewing relevant background, acquiring/analyzing data, and seeking design solutions using appropriate simulation/analysis tools and experimental investigations.  
**Notes:**  
(0-3-6)  
**Prerequisites:** CCOM 206 or WCOM 206 and at least 42 Departmental credits.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Electrical & Computer Engr  
**Status (catalog level):** Active

**ECSE 499**  
**Credit Weight:** 3  
**Transcript Title:** Honours Thesis 2  
**Calendar Title:** Honours Thesis 2.  
**Description:**  
A research project undertaken with close supervision by a staff member. A continuation of ECSE 498. The work consists of carrying out the research plan.
developed in ECSE 498 along with a seminar presentation at end of term.

Notes:
(0-3-6)
Prerequisite: ECSE 498

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 500
Credit Weight: 3
Transcript Title: Math Found of Systems
Calendar Title: Mathematical Foundations of Systems.
Description:
Notes:
(3-0-6)
Restriction: Open only to graduate students within the Faculty of Engineering.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 501
Credit Weight: 3
Transcript Title: Linear Systems
Calendar Title: Linear Systems.
Description:
Mathematical models of linear systems, fundamental solution and transition matrices, non-homogeneous linear equations, controllability and observability of linear systems, reachable subspaces, Cayley-Hamilton's Theorem, Kalman's controllability and observability rank conditions, minimal realizations, frequency response, invariant subspaces, finite and infinite horizon linear regulator problems, uniform, exponential, and input-output stability, the Lyapunov equation.
Notes:
(3-0-6)
Corequisite: ECSE 500 or permission of instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 506
Credit Weight: 3
Transcript Title: Stochastic Ctrl &Decision Thry
Calendar Title: Stochastic Control and Decision Theory.
Description:
Modelling of stochastic control systems, controlled Markov processes, dynamic programming, imperfect and delayed observations, linear quadratic and Gaussian (LQG) systems, team theory, information structures, static and dynamic teams, dynamic programming for teams, multi-armed bandits.
Notes:
(3-0-6)
Prerequisites: ECSE 509

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 507
Credit Weight: 3
Transcript Title: Optimization & Optimal Control
Calendar Title: Optimization and Optimal Control.
Description: General introduction to optimization methods including steepest descent, conjugate gradient, Newton algorithms. Generalized matrix inverses and the least squared error problem. Introduction to constrained optimality; convexity and duality; interior point methods. Introduction to dynamic optimization; existence theory, relaxed controls, the Pontryagin Maximum Principle. Sufficiency of the Maximum Principle.
Notes: (3-0-6)
Prerequisites: ECSE 543 or ECSE 501 or COMP 540 or permission of the instructor
Administrating Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 508
Credit Weight: 3
Transcript Title: Multi-Agent Systems
Calendar Title: Multi-Agent Systems.
Description: Introduction to game theory, strategic games, extensive form games with perfect and imperfect information, repeated games and folk theorems, cooperative game theory, introduction to mechanism design, markets and market equilibrium, pricing and resource allocation, application in telecommunication networks, applications in communication networks, stochastic games.
Notes: (3-0-6)
Prerequisite(s): ECSE 205 or equivalent.
Administrating Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 509
Credit Weight: 3
Transcript Title: Probability & Random Signals 2
Calendar Title: Probability and Random Signals 2.
Description: Multivariate Gaussian distributions; finite-dimensional mean-square estimation (multivariate case); principal components; introduction to random processes; weak stationarity: correlation functions, spectra, linear processing and estimation; Poisson processes and Markov chains: state processes, invariant distributions; stochastic simulation.
Notes: (3-1-5)
Prerequisites: (ECSE 206 or ECSE 316) and ECSE 205.
Administrating Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 510
Credit Weight: 3
Transcript Title: Filt. & Pred. for Stoch. Sys.
Calendar Title: Filtering and Prediction for Stochastic Systems.
Description:
Notes:
Prerequisites: ECSE 500 and ECSE 509 or equivalent.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 511
Credit Weight: 3
Transcript Title: Intro. to Digital Comm.
Calendar Title: Introduction to Digital Communication.
Description:
Amplitude and angle modulation including AM, FM, FDM and television systems; introduction to random processes; sampling and quantization, PCM systems, TDM; digital modulation techniques, Maximum-Likelihood receivers, synchronization issues; elements of information theory including information sources, source coding and channel capacity.
Notes:
Prerequisite: ECSE 304 or ECSE 308 or ECSE 316.
Corequisite: ECSE 509
An advanced version of ECSE 411
Tutorials assigned by instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 512
Credit Weight: 3
Transcript Title: Digital Signal Processing 1
Calendar Title: Digital Signal Processing 1.
Description:
Review of discrete-time transforms, sampling and quantization, frequency analysis. Structures for IIR and FIR filters, coefficient quantization, roundoff noise. The DFT, its properties, frequency analysis and filtering using DFT methods, the FFT and its implementation. Multirate processing, subsampling and interpolation, oversampling techniques.
Notes:
Prerequisites: (ECSE 206 or ECSE 316) and ECSE 205.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 513
Credit Weight: 3
Transcript Title: Robust Control Systems
Calendar Title: Robust Control Systems.
Description:
Feedback interconnections of LTI systems; Nominal stability and performance of feedback control systems; Norms of signals and systems; H2-optimal control; H-infinity-optimal control; Uncertainty modelling for robust control; Robust closed-loop stability and performance; Robust H-infinity control; Robustness check using mu-analysis; Robust controller design via mu-synthesis.
Notes:
(3-0-6)
Prerequisites: ECSE 500 and (ECSE 304 or ECSE 206 or ECSE 316)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 515
Credit Weight: 3
Transcript Title: Optical Fibre Communications
Calendar Title: Optical Fibre Communications.
Description:
Optical fibre communication technology and principles of optical transport: modulation formats, signal propagation and impairments in optical fibres, sources of noise, amplification and regeneration, optical signal processing technologies, system design.
Notes:
(3-1-5)
Prerequisites: ECSE 571 and (ECSE 304 or ECSE 308 or ECSE 316) and (ECSE 305 or ECSE 205)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 516
Credit Weight: 3
Transcript Title: Nonlin. & Hybrid Control Sys.
Calendar Title: Nonlinear and Hybrid Control Systems.
Description:
Notes:
Prerequisites: ECSE 500 and ECSE 501 or equivalent
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 517
Credit Weight: 3
Transcript Title: Neural Prosthetic Systems
Calendar Title: Neural Prosthetic Systems.
Description:
Selected topics in bioengineering focusing on the principles of neural prosthetics systems (brain machine interfaces). Paralysis as a communication problem. Motor control theory receptive fields. Electrical properties of the central nervous
system, modern measurement technologies, encoding and mutual information, statistical data analysis, decoding and thought prediction.

Notes:
Prerequisites: (ECSE 303 or ECSE 306 or ECSE 206 or ECSE 316) and (ECSE 305 or ECSE 205) or permission of instructor
Restriction: Accessible only to Honours Electrical Engineering students and Graduate students in Engineering

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 518
Credit Weight: 3
Transcript Title: Telecom. Network Analysis
Calendar Title: Telecommunication Network Analysis.
Description:
Mathematical modeling and analysis techniques for the control and management of modern networks. Introduction to queuing networks; birth/death processes; routing optimization and fairness; multi-commodity network flow; traffic modeling; effective bandwidth and network calculus; performance modeling.

Notes:
Prerequisites: ECSE 509 and (ECSE 414 or ECSE 416 or ECSE 528 or COMP 535)
Restriction: Accessible only to Honours Electrical Engineering students and Graduate students in Engineering

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 519
Credit Weight: 3
Transcript Title: Semicon Nanostr & Nanophot Dev
Calendar Title: Semiconductor Nanostructures and Nanophotonic Devices.
Description:
Physics, design, synthesis, and fundamental properties of semiconductor nanostructures, quantum dots, nanowires, and nanotubes. Nanoscale confinement of radiation, properties of microcavities, whispering gallery modes, photonic crystals, strong vs. weak coupling, and Purcell effect. Quantum dot lasers, nanowire LEDs, and photonic crystal lasers. Nonclassical light sources. Solar cells and thermoelectric devices.

Notes:
Prerequisites: ECSE 354 and (ECSE 433 or ECSE 533)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 521
Credit Weight: 3
Transcript Title: Digital Communications 1
Calendar Title: Digital Communications 1.
Description:

Notes:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
<th>Prerequisite(s)</th>
<th>Administering Faculty</th>
<th>Teaching Department</th>
<th>Status (catalog level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECSE 522</td>
<td>4</td>
<td>Nonlinear Phen.: Power Sys Dyn</td>
<td>Nonlinear Phenomena in Power Systems Dynamics.</td>
<td>Introduces nonlinear dynamics, with applications to generic engineering and power engineering. Topics include one- and two- dimensional systems; bifurcations; phase plane; nonlinear oscillators; Lorenz equations and chaos. Emphasizes power system dynamic modelling and stability. Topics include synchronous machine dynamic modelling; numerical integration methods for dynamic simulations; excitation system and turbine governor; transient stability; small signal stability; voltage stability; nonlinear dynamics and bifurcations in power system dynamic study.</td>
<td>(3-0-9)</td>
<td>ECSE 361 or ECSE 362, MATH 263, ECSE 307</td>
<td>Faculty of Engineering</td>
<td>Electrical &amp; Computer Engr</td>
<td>Active</td>
</tr>
<tr>
<td>ECSE 523</td>
<td>3</td>
<td>Speech Communications</td>
<td>Speech Communications.</td>
<td>Articulatory and acoustic descriptions of speech production, speech production models, speech perception, digital processing of speech signals, vocoders using formant, linear predictive and cepstral techniques, overview of automatic speech recognition systems, speech synthesis systems and speaker verification systems.</td>
<td>(3-0-6)</td>
<td>ECSE 412 or ECSE 512</td>
<td>Faculty of Engineering</td>
<td>Electrical &amp; Computer Engr</td>
<td>Active</td>
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<tr>
<td>ECSE 524</td>
<td>3</td>
<td>Interconnects&amp;Signal Integrity</td>
<td>Interconnects and Signal Integrity.</td>
<td>Interconnect structures, signal integrity issues: reflection, crosstalk, noise, electromagnetic interference, Lossy transmission lines, RLGC matrix representations, wave propagation in multilayered substrates, periodically loaded lines, Floquet's theorem, power distribution network, simultaneous switching noise, packaging structures, chip interconnection technologies, substrate integrated waveguides, methods for experimental characterization of interconnects, signal integrity CAD tools.</td>
<td>(3-0-6)</td>
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<td>Active</td>
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</tbody>
</table>
Prerequisites: (ECSE 334 or ECSE 335) and (ECSE 352 or ECSE 353 or ECSE 354)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 525
Credit Weight: 4
Transcript Title: Satellite Navigation Systems
Calendar Title: Satellite Navigation Systems.
Description:
Notes:
(3–0–6)
Prerequisites: (ECSE 205 or equivalent) and (ECSE 206 or ECSE 316 or equivalent)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 526
Credit Weight: 3
Transcript Title: Artificial Intelligence
Calendar Title: Artificial Intelligence.
Description:
Design principles of autonomous agents, agent architectures, machine learning, neural networks, genetic algorithms, and multi-agent collaboration. The course includes a term project that consists of designing and implementing software agents that collaborate and compete in a simulated environment.
Notes:
(3–0–6)
Prerequisite: ECSE 324
Restriction: Not open to students who have taken or are taking COMP 424.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 527
Credit Weight: 4
Transcript Title: Optical Engineering
Calendar Title: Optical Engineering.
Description:
A structured introduction to modern optical engineering. Topics covered include the propagation of light through space, refraction, diffraction, polarization, lens systems, ray-tracing, aberrations, computer-aided design and optimization techniques, Gaussian beam analysis, micro-optics and computer generated diffractive optical elements.
Notes:
(3–0–9)
Prerequisite: ECSE 354

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 532
Credit Weight: 4
Transcript Title: Computer Graphics
Calendar Title: Computer Graphics.
Description:
Fundamental mathematical, algorithmic and representational issues in computer graphics: overview of graphics pipeline, homogeneous coordinates, projective transformations, line-drawing and rasterization, hidden surface removal, surface modelling (quadrics, bicubics, meshes), rendering (lighting, reflectance models, ray tracing, texture mapping), compositing colour perception, and other selected topics.
Notes:
(3-0-9)
Prerequisite: ECSE 324
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 533
Credit Weight: 3
Transcript Title: Phys Basis of Semicon Devices
Calendar Title: Physical Basis of Semiconductor Devices.
Description:
Quantitative analysis of diodes and transistors. Semiconductor fundamentals, equilibrium and non-equilibrium carrier transport, and Fermi levels. PN junction diodes, the ideal diode, and diode switching. Bipolar Junction Transistors (BJT), physics of the ideal BJT, the Ebers-Moll model. Field effect transistors, metal-oxide semiconductor structures, static and dynamic behaviour, small-signal models.
Notes:
(3-0-6)
Prerequisites: PHYS 271 and (ECSE 330 or ECSE 331) and (ECSE 251 or ECSE 351)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 534
Credit Weight: 3
Transcript Title: Analog Microelectronics
Calendar Title: Analog Microelectronics.
Description:
Design of analog ICs using specialized analog CAD tools such as SPICE. Voltage and current amplifier design which encompasses the study of biasing circuits, current sources and mirrors, input and output stages, and frequency compensation; precision reference sources; analog multipliers; oscillators; waveform generators and shaping circuits, and analog switches.
Notes:
(3-0-6)
Prerequisite: ECSE 335
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 535
Credit Weight: 3
Transcript Title: Nanoelectronic Devices
Calendar Title: Nanoelectronic Devices.
Description:
Physical principles and modelling of nanoelectronic devices. Bandstructure and
electronic density of states, Quantum wells, wires and dots. Ballistic electron
transport, tunnelling and scattering mechanisms. Electrical and optical properties

Notes:
(3-0-6)
Prerequisites: PHYS 271 and (ECSE 352 or ECSE 354)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 536
Credit Weight: 3
Transcript Title: RF Microelectronics
Calendar Title: RF Microelectronics.
Description:
Introduction to Radio Frequency Integrated Circuits and wireless transceiver
architectures. Modelling of passive/active integrated devices. Design of
monolithic bipolar and CMOS LNAs, mixers, filters, broadband amplifiers, RF power
amplifiers, VCOs, and frequency synthesizers. Analysis of noise and non-linearity
in RFICs. Project using modern RFIC simulation/layout CAD tools.

Notes:
(3-3-3)
Prerequisite: ECSE 335 and permission of the instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 537
Credit Weight: 3
Transcript Title: Adv Digital Integ Circuits
Calendar Title: Advanced Digital Integrated Circuits.
Description:
Advanced concepts in the design, layout, and optimization (speed/power/area
trade-offs) of digital integrated circuits in state-of-the-art technologies.
Emphasis on the main design challenges (low power, process variations) due to
device scaling into the nanometer node. Integrated-circuit design flow.
Computer-aided design tools.

Notes:
(3-3-3)
Prerequisites: (ECSE 323 or ECSE 325) and (ECSE 334 or ECSE 335)
Restriction: Undergraduate: Restricted to Honours Electrical Engineering students

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 538
Credit Weight: 3
Transcript Title: Safety-Critical Embedded Soft.
Calendar Title: Safety-Critical Embedded Software.
Description:
Software for embedded systems/cyber-physical systems; model-based design;
platform-based design; models of computation; synchronous reactive models of
computation; timed automata; semantics preserving code generation; real-time
operating systems; mixed-criticality scheduling; formal verification; model-based
testing; reliability; safety; component-based design.

**Notes:**
Prerequisite(s): ECSE 322 and (ECSE 304 or ECSE 306)
(3-0-6)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 539**

**Credit Weight:** 4

**Transcript Title:** Advanced Software Language Eng

**Calendar Title:** Advanced Software Language Engineering.

**Description:**
Practical and theoretical knowledge for developing software languages and models; foundations for model-based software development; topics include principles of model-driven engineering; concern-driven development; intentional, structural, and behavioral models as well as configuration models; constraints; language engineering; domain-specific languages; metamodelling; model transformations; models of computation; model analyses; and modeling tools.

**Notes:**
Prerequisite(s): COMP 303 or ECSE 321 or permission of instructor.
(3-2-7)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 540**

**Credit Weight:** 3

**Transcript Title:** Photonic Devices and App

**Calendar Title:** Photonic Devices and Applications.

**Description:**
Physical basis of passive and active photonic devices, including optical waveguides and fibers, semiconductor lasers, photodetectors, modulators, and amplifiers. Applications to optical signal processing and photonic systems. Introduction to optical test-and-measurement instrumentation.

**Notes:**
Prerequisite(s): ECSE 354
(3-0-6)

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr

**Status (catalog level):** Active

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**ECSE 541**

**Credit Weight:** 3

**Transcript Title:** Des of Multiproc Sys-on-Chip

**Calendar Title:** Design of Multiprocessor Systems--on--Chip.

**Description:**
Modelling, design, evaluation, and optimization of multiprocessor systems-on-chips (MPSoCs). Introduction to system-level modelling of MPSoC architecture; system performance, power, and lifetime modelling; fault and defect tolerance; automatic general and heuristic design space exploration and design optimization; resource allocation, application mapping, and task scheduling.

**Notes:**
(3-0-6)

**Corequisites:** ECSE 420 or ECSE 421 or ECSE 425 or ECSE 444

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Electrical & Computer Engr
Status (catalog level): Active

ECSE 542
Credit Weight: 4
Transcript Title: Human Computer Interaction
Calendar Title: Human Computer Interaction.
Description: Design, development, and evaluation of human-computer interfaces, with emphasis on usability, interaction paradigms, computer-mediated human activities, and implications to society. These issues are studied from a number of perspectives including that of the engineer and end-user. A team-based project applies knowledge and skills to the full life cycle of an interactive human-computer interface.
Notes: (3-0-9).
Prerequisite(s): ECSE 324 or (COMP 251 and COMP 273) or equivalent.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 543
Credit Weight: 3
Transcript Title: Numerical Methods in Elec Eng
Calendar Title: Numerical Methods in Electrical Engineering.
Notes: (3-2-4)
Prerequisites: ECSE 324, ECSE 331 and ECSE 251
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 544
Credit Weight: 4
Transcript Title: Computational Photography
Calendar Title: Computational Photography.
Description: An overview of techniques and theory underlying computational photography. Topics include: radiometry and photometry; lenses and image formation; electronic image sensing; colour processing; lightfield cameras; image deblurring; super-resolution methods; image denoising; flash photography; image matting and compositing; high dynamic range imaging and tone mapping; image retargeting; image stitching.
Notes: (3-0-9)
Prerequisites: ECSE 205 and ECSE 206
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 546
Credit Weight: 4
Transcript Title: Advanced Image Synthesis
Calendar Title: Advanced Image Synthesis.
Description:
Introduction to mathematical models of light transport and the numerical techniques used to generate realistic images in computer graphics. Offline (i.e., raytracing) and interactive (i.e., shader-based) techniques. Group project addressing important applied research problems.
Notes:
(3-2-7)
Restrictions: For graduate students in Electrical and Computer Engineering and undergraduate Honours Electrical Engineering students.
Not open to students who have taken or are taking ECSE 446.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 549
Credit Weight: 3
Transcript Title: Expert Systems in Elec Design
Calendar Title: Expert Systems in Electrical Design.
Description:
Notes:
(3-0-6)
Prerequisites: (ECSE 323 or ECSE 325) and (ECSE 361 or ECSE 362)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 551
Credit Weight: 4
Transcript Title: Machine Learning for Engineers
Calendar Title: Machine Learning for Engineers.
Description:
Notes:
Corequisite: ECSE 343 or ECSE 543 or MATH 247
Prerequisite(s): (ECSE 250 or COMP 250) and (ECSE 205 or MATH 323)
Restrictions: Not open to students who have taken or are taking COMP 551.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 552
Credit Weight: 4
Transcript Title: Deep Learning
Calendar Title: Deep Learning.
Description:
Overview of mathematical background and basics of machine learning, deep
feedforward networks, regularization for deep learning, optimization for
training deep learning models, convolutional neural networks, recurrent and
recursive neural networks, practical considerations, applications of deep learning,
recent models and architectures in deep learning.

Notes:
Prerequisite: ECSE 551 or COMP 551
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 553
Credit Weight: 4
Transcript Title: Critical Systems
Calendar Title: Critical Systems.
Description:
Design and assurance of critical software-intensive cyber-physical systems (CPSs).
Core concepts, standard languages (SysML, Capella), techniques and tools of
model-based systems used for designing such systems including: concepts like
safety cases, traceability, viewpoints of system architecture or design space
exploration. Safety assurance of software-intensive critical systems; design-time
and run-time verification; and validation techniques. Research challenges for the
safety assurance of systems driven by machine learning and other AI techniques.

Notes:
Prerequisite: ECSE 321
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 554
Credit Weight: 4
Transcript Title: Applied Robotics
Calendar Title: Applied Robotics.
Description:
The approach and the challenges in the key components of manipulators and
locomotors: representations, kinematics, dynamics, rigid-body chains,
redundant systems, underactuated systems, control, planning, and perception.
Practical aspects of robotics: collisions, integrating sensory feedback, and
development of real-time software.

Notes:
Prerequisites: ECSE 205, COMP 206, ECSE 250, and (ECSE 343 or MATH 247) or
equivalents.
(3-0-9)
Students should be comfortable with C++ and a Unix-like programming environment.
Interested students may contact the instructor for more information prior to the
start of the course.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 555
Credit Weight: 4
Transcript Title: Adv Topics in Artif Intel
Calendar Title: Advanced Topics in Artificial Intelligence.
Description:
Selected topics in areas of artificial intelligence that are of current research interest.

Notes:
3-0-9

Restriction: Permission of instructor

Administering Faculty: Faculty of Engineering

Teaching Department: Electrical & Computer Engr

Status (catalog level): Active

ECSE 556
Credit Weight: 4

Transcript Title: Machine Lrng in Network Biol

Calendar Title: Machine Learning in Network Biology.

Description:

Notes:
3-0-9

Restrictions: Permission of Instructor.

Administering Faculty: Faculty of Engineering

Teaching Department: Electrical & Computer Engr

Status (catalog level): Active

ECSE 557
Credit Weight: 3

Transcript Title: Intro to Ethics of Intell Sys

Calendar Title: Introduction to Ethics of Intelligent Systems.

Description:
Ethics and social issues related to AI and robotic systems. Consideration for normative values (e.g., fairness) in the design. Ethics principles, data and privacy issues, ethics challenges in interaction and interface design.

Notes:
(3-1-5)

Corequisite: COMP 451 or COMP 551 or ECSE 551 or permission of the instructor

Prerequisite: (ECSE 202 or COMP 250) and (ECSE 205 or MATH 323) or permission of the instructor

Administering Faculty: Faculty of Engineering

Teaching Department: Electrical & Computer Engr

Status (catalog level): Active

ECSE 562
Credit Weight: 4

Transcript Title: Low-Carbon Power Gen. Eng.

Calendar Title: Low-Carbon Power Generation Engineering.

Description:
Primary energy resources, thermodynamics of power generation, conventional and renewable. Electric power generation principles. Rotating and static power conversion, frequency and voltage control. Synchronous and induction generators, design and operation, grid integration requirements. Static power converter interfaces, principles and operation. Wind and solar generation principles, control, wind and solar farms. Energy storage technologies and their role in low-carbon power systems. Operations and planning of low-carbon power generation systems. Renewable integration studies.

Notes:
Prerequisites: ECSE 361 or ECSE 362 or ECSE 461
Restrictions: Not open to students who have taken or are taking ECSE 463
Winter semester course. Will be given in alternate years alternating with ECSE 563.

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 563
Credit Weight: 3
Transcript Title: Power Systems Oper&Planning
Calendar Title: Power Systems Operation and Planning.
Notes: (3-0-6)
Prerequisite: ECSE 362

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 564
Credit Weight: 4
Transcript Title: Power Systems Dynamics&Control
Calendar Title: Power Systems Dynamics and Control.
Description: Modern power systems: power plants, conventional generation and distributed inverter-based generation, ac and dc transmission systems, power system dynamics and stability issues. Modeling for operation, control and stability studies: power system components; synchronous machines and control systems; inverter-based generation and controls. Dynamic and stability studies. Control methods for enhancing flexibility and improving stability.
Notes: (3-0-9)
Prerequisite: ECSE 362 (or equivalent)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 565
Credit Weight: 3
Transcript Title: Intro to Power Electronics
Calendar Title: Introduction to Power Electronics.
Description: Semiconductor power switches - thyristors, GTO's, bipolar transistors, MOSFET's. Switch mode power amplifiers. Buck and boost principles. Modulation methods -PWM, delta, hysteresis current control. Rectifiers, inverters, choppers.
Notes: (3-0-6)
Prerequisite: (ECSE 334 or ECSE 335) and (ECSE 361 or ECSE 362)

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 570
Credit Weight: 3
Transcript Title: Automatic Speech Recognition
Calendar Title: Automatic Speech Recognition.
Description: Acoustic phonetics and signal representations. Pattern classification, stochastic modelling, language modelling and search algorithms as applied to speech recognition. Techniques for robustness, integration of speech recognition with other user interface modalities, and the role of automatic speech recognition in speech understanding.
Notes: (3-0-6)
Prerequisites: (ECSE 305 or ECSE 205) and (ECSE 322 or ECSE 324)
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 571
Credit Weight: 3
Transcript Title: Optoelectronic Devices
Calendar Title: Optoelectronic Devices.
Description: Physical basis of optoelectronic devices including Light Emitting Diodes, semiconductor optical amplifiers, semiconductor lasers, quantum well devices, and solid state lasers. Quantitative description of detectors, optical modulation, optical logic devices, optical interconnects, and optomechanical hardware. Throughout the course, photonic systems applications will be addressed.
Notes: (3-0-6)
Prerequisite: ECSE 352 or ECSE 354
Corequisite: ECSE 533
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 572
Credit Weight: 3
Transcript Title: Nonlinear Optics
Calendar Title: Nonlinear Optics.
Description: Nonlinear optical processes and their applications: optical fibres, waveguides and crystals. Origin of second- and third-order nonlinear susceptibility, symmetry properties, coupled-wave propagation, phase-matching techniques, sum- and difference frequency generation, parametric amplification, four-wave mixing, self- and cross-phase modulation, soliton propagation, Raman scattering and the electro-optic effect.
Notes: (3-0-6)
Prerequisite: ECSE 352 or ECSE 354
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 574
Credit Weight: 3
Transcript Title: CMOS Sensor Microsystems
Calendar Title: CMOS Sensor Microsystems.
Description:
CMOS sensor microsystems, fundamentals of microfabrication, micromachining technology, recognition elements, CMOS signal detection components, and sensor system integration and packaging.
Notes:
(3-0-6)
Prerequisite: ECSE 485
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 575
Credit Weight: 3
Transcript Title: Heterogeneous Integration Sys
Calendar Title: Heterogeneous Integration Systems.
Description:
Discussion of high performance heterogeneous integration systems. Introduction to key design challenges, including interconnect, power delivery, synchronization, and testing, with respect to heterogeneous systems. Analysis of state-of-the-art integration platforms, such as three-dimensional integrated circuits, wafer-scale integration, and flexible substrates with respect to applications of interest. System-level perspective of the integration hierarchy (i.e., integrated circuit, package, and board).
Notes:
Prerequisites: ECSE 335 or permission of instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 593
Credit Weight: 3
Transcript Title: Antennas and Propagation
Calendar Title: Antennas and Propagation.
Description:
Fundamentals of antenna theory: sources, radiation pattern and gain. Classification of antennas. Main antenna types and their characteristics. Antenna temperature, remote sensing and radar cross-section. Self and mutual impedances. Special topics include adaptive antennas, very large array (VLA) used in radio astronomy and biomedical applications.
Notes:
(3-0-6)
Prerequisites: ECSE 206 and ECSE 354
Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 596
Credit Weight: 3
Transcript Title: Optical Waveguides
Calendar Title: Optical Waveguides.
Description:
An in-depth analysis to guided-wave propagation. Dielectric waveguides (slab, 2D, nonlinear, spatial solitons), optical fibers (modes, dispersion relations,
propagation in dispersive, nonlinear fibers, temporal solitons), beam propagation method, coupled mode theory, waveguide devices (couplers, gratings, etc.). Selection of current research topics of interest (e.g., photonic crystals, optical signal processing, etc.).

Notes:
(3-0-6)
Prerequisite: ECSE 354

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 597
Credit Weight: 4
Transcript Title: Circuit Simulation & Modelling
Calendar Title: Circuit Simulation and Modelling.
Description:
Notes:
(3-0-9)
Prerequisites: ECSE 206, ECSE 251 and ECSE 331

Administering Faculty: Faculty of Engineering
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 608
Credit Weight: 4
Transcript Title: Machine Learning
Calendar Title: Machine Learning.
Description:
An overview of state-of-the-art algorithms used in machine learning, including theoretical properties and practical applications of these algorithms.
Notes:
(3-0-9)
Prerequisites: COMP 424, COMP 526 or ECSE 514, COMP 360, MATH 323 or ECSE 305.
Restriction: Not open to students who have taken COMP 652.

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 609
Credit Weight: 4
Transcript Title: Custom High-Perf. Comp. Arch.
Calendar Title: Custom High-Performance Computing Architectures.
Description:
Notes:
(3-0-9)
Prerequisites: ECSE 425 or ECSE 525, and ECSE 487 or ECSE 431.

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active
ECSE 610
Credit Weight: 4
Transcript Title: Wireless Communications
Calendar Title: Wireless Communications.
Description:
An introduction to the theory and technology of wireless communications systems networks. Topics include channel modelling, wireless transmission, multiple-access techniques, wireless networks, radio resource management, service technologies, evolution and standardization.
Notes: (3-0-9)
Prerequisite: ECSE 511
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 611
Credit Weight: 4
Transcript Title: Software Analytics
Calendar Title: Software Analytics.
Description:
The application of analytics (i.e., the discovery and communication of meaningful patterns in data) to software development and release processes. Students will study, discuss, and critique research papers appearing in the current literature. This course involves a project.
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 612
Credit Weight: 4
Transcript Title: Multi-User Communications
Calendar Title: Multi-User Communications.
Description:
Notes:
Prerequisite: ECSE 509
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 615
Credit Weight: 4
Transcript Title: Digital Signal Processing 2
Calendar Title: Digital Signal Processing 2.
Description:
Filter banks, multi-rate signal processing, multi-resolution analysis and wavelets, transform coding. Second-order stochastic processes: Wold decomposition, spectral analysis, power spectral estimation and polyspectra, optimum filtering and linear prediction, adaptive filtering, LMS filters, recursive least-square and transform domain techniques.
Notes:
(3-0-9)
Prerequisites: ECSE 509 and ECSE 512

**Administering Faculty**: Graduate Studies

**Teaching Department**: Electrical & Computer Engr

**Status (catalog level)**: Active

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**ECSE 618**

**Credit Weight**: 4

**Transcript Title**: Haptics

**Calendar Title**: Haptics.

**Description**:
Study of touch as relevant to technological systems. Applications. Elements of anatomy, neuroanatomy, physiology, and behaviour. Technology of tactile transducers. Computational synthesis of tactile signals: Elements of contact mechanics, deformation theory and inelasticity, and computational methods to simulate those for realtime synthesis.

**Notes**:
(3-0-9)

**Prerequisite**: Permission of instructor.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Electrical & Computer Engr

**Status (catalog level)**: Active

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**ECSE 620**

**Credit Weight**: 4

**Transcript Title**: Information Theory and Coding

**Calendar Title**: Information Theory and Coding.

**Description**:
Point-to-point communications: source and channel models, lossless source coding (prefix codes, Ziv-Lempel algorithm), performance limits for channel codes, source coding subject to a fidelity criterion, end-to-end performance limits. Approaching the limits: convolutional codes, linear codes. The multi-access problem: achievable rate regions, TDMA, CDMA. Secure communications.

**Notes**:
(3-0-9)

**Prerequisites**: ECSE 411 or ECSE 511, and ECSE 510

**Administering Faculty**: Graduate Studies

**Teaching Department**: Electrical & Computer Engr

**Status (catalog level)**: Active

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**ECSE 621**

**Credit Weight**: 4

**Transcript Title**: Stat Detection and Estimation

**Calendar Title**: Statistic Detection and Estimation.

**Description**:
Statistical detection and estimation lies at the intersection of telecommunications, signal processing and mathematical statistics. Subjects include: hypothesis testing (Neyman-Pearson, Bayes, minimax, nuisance parameters, composite hypotheses, generalized likelihood), estimation theory (maximum-likelihood, maximum a posteriori probability, linear estimation, Cramer-Rao bounds).

**Notes**:
(3-0-9)

**Prerequisites**: ECSE 411 or ECSE 511, ECSE 510

**Administering Faculty**: Graduate Studies
Teaching Department: Electrical & Computer Engr  
Status (catalog level): Active

ECSE 623  
Credit Weight: 4  
Transcript Title: Digital Communications 2  
Calendar Title: Digital Communications 2.  
Description:  
Notes:  
(3-0-9)  
Prerequisites: ECSE 510, ECSE 521  
Administering Faculty: Graduate Studies  
Teaching Department: Electrical & Computer Engr  
Status (catalog level): Active

ECSE 626  
Credit Weight: 4  
Transcript Title: Statistical Computer Vision  
Calendar Title: Statistical Computer Vision.  
Description:  
An overview of statistical and machine learning techniques as applied to computer vision problems, including: stereo vision, motion estimation, object and face recognition, image registration and segmentation. Topics include regularization, probabilistic inference, information theory, Gaussian Mixture Models, Markov-Chain Monte Carlo methods, importance sampling, Markov random fields, principal and independent components analysis, probabilistic deep learning methods including variational models, Bayesian deep learning.  
Notes:  
(3-0-9)  
Prerequisites: (ECSE 205 or equivalent) and (ECSE 415 or COMP 558 or equivalent).  
Administering Faculty: Graduate Studies  
Teaching Department: Electrical & Computer Engr  
Status (catalog level): Active

ECSE 634  
Credit Weight: 4  
Transcript Title: Analog Integrd Cir-Signal Pro  
Calendar Title: Analog Integrated Circuits Signal Processing.  
Description:  
Analog signal processing techniques for monolithic implementation. Filter approximation theory; filter realization methods; integrated filter technologies; active-RC, MOSFET-capacitor, transconductance-capacitor, switched-capacitor, switched-current; filter tuning methods. Phase-locked loops; signal conversion techniques.  
Notes:  
(3-0-9)  
Prerequisites: ECSE 334, ECSE 303 or equivalent  
Administering Faculty: Graduate Studies  
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 635
Credit Weight: 4
Transcript Title: Printed Electronics
Calendar Title: Printed Electronics.
Description: Materials and processes for fabricating printed and flexible hybrid electronics, understanding of thin film and organic devices, and emerging printing technologies used for fabricating them.
Notes: Prerequisite(s): CHEM 120 or equivalent, ECSE 331 or equivalent.

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 648
Credit Weight: 4
Transcript Title: VLSI Design
Calendar Title: VLSI Design.
Description: A project course with the opportunity to apply the knowledge acquired in 548 to the design of a complete digital IC of medium complexity. Completed designs will be submitted for fabrication to the Implementation Centre of the Canadian Microelectronics Corporation. The course includes lectures on advanced topics in VLSI design.
Symbols: LIMT - Limited enrolment
Notes: (1-5-3)
Prerequisite: ECSE 548
Limited enrolment

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 651
Credit Weight: 1
Transcript Title: M.Eng. Project 1
Calendar Title: M.Eng. Project 1.
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes: (0-0-3)

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 652
Credit Weight: 2
Transcript Title: M.Eng. Project 2
Calendar Title: M.Eng. Project 2.
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
ECSE 653
Credit Weight: 3
Transcript Title: M.Eng. Project 3
Calendar Title: M.Eng. Project 3.
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes: (0-0-9)

ECSE 654
Credit Weight: 4
Transcript Title: M.Eng. Project 4
Calendar Title: M.Eng. Project 4.
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes: (0-0-12)

ECSE 655
Credit Weight: 4
Transcript Title: M.Eng. Project 5
Calendar Title: M.Eng. Project 5.
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes: (0-0-12)

ECSE 656
Credit Weight: 4
Transcript Title: M.Eng. Project 6
Calendar Title: M.Eng. Project 6.
Description: Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes: (0-0-12)
ECSE 670D1
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: Computational Science Engineering Seminar.
Description: Techniques and applications in computational science and engineering.
Notes: Restriction: This seminar course is open only to students who were admitted to the CSE Program Option.
Students must register for both ECSE 670D1 and ECSE 670D2.
No credit will be given for this course unless both ECSE 670D1 and ECSE 670D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 670D2
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: Computational Science Engineering Seminar.
Description: See ECSE 670D1 for description.
Notes: Prerequisite: ECSE 670D1.
No credit will be given for this course unless both ECSE 670D1 and ECSE 670D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 670N1
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: Computational Science Engineering Seminar.
Description: Techniques and applications in computational science and engineering.
Notes: Restriction: This seminar course is open only to students who were admitted to the CSE Program Option.
Students must also register for ECSE 670N2.
No credit will be given for this course unless both ECSE 670N1 and ECSE 670N2 are successfully completed in a twelve month period.
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 670N2
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: Computational Science Engineering Seminar.
Description: See ECSE 670N1 for description.
Notes: Prerequisite: ECSE 670N1.
No credit will be given for this course unless both ECSE 670N1 and ECSE 670N2 are
successfully completed in a twelve month period.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Electrical & Computer Engr  
**Status (catalog level):** Active

### ECSE 678

- **Credit Weight:** 4  
- **Transcript Title:** Special Topics in Solids 1  
- **Calendar Title:** Special Topics in Solids 1.  
- **Description:** Discussion of topics in semiconductor electronics and electronic properties of materials in areas of current research to the Department.  
- **Notes:** (3-0-9)  
- **Prerequisite:** ECSE 432  
- **Administering Faculty:** Graduate Studies  
- **Teaching Department:** Electrical & Computer Engr  
- **Status (catalog level):** Active

### ECSE 680

- **Credit Weight:** 4  
- **Transcript Title:** Topics in Photonics  
- **Calendar Title:** Topics in Photonics.  
- **Description:** Special topics in photonics.  
- **Notes:** (3-0-9)  
- **Administering Faculty:** Graduate Studies  
- **Teaching Department:** Electrical & Computer Engr  
- **Status (catalog level):** Active

### ECSE 681

- **Credit Weight:** 4  
- **Transcript Title:** Colloquium in Elec Enginrg  
- **Calendar Title:** Colloquium in Electrical Engineering.  
- **Description:** Directed reading, seminar and discussion course in various subjects of current interest in electrical engineering research.  
- **Administering Faculty:** Graduate Studies  
- **Teaching Department:** Electrical & Computer Engr  
- **Status (catalog level):** Active

### ECSE 682

- **Credit Weight:** 4  
- **Transcript Title:** Topics in Computers & Circuits  
- **Calendar Title:** Topics in Computers and Circuits.  
- **Description:** Special topics in computers and circuits.  
- **Notes:** (3-0-9)  
- **Administering Faculty:** Graduate Studies  
- **Teaching Department:** Electrical & Computer Engr  
- **Status (catalog level):** Active

### ECSE 683

- **Credit Weight:** 4  
- **Transcript Title:** Topics in Vision & Robotics
Calendar Title: Topics in Vision and Robotics.
Description: Special topics in vision and robotics.
Notes: (3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 686
Credit Weight: 4
Transcript Title: Topics: Communication Systems
Calendar Title: Topics: Communication Systems.
Description: Special topics in communications systems.
Notes: (3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 686D1
Credit Weight: 2
Transcript Title: Topics: Communication Systems
Calendar Title: Topics: Communication Systems.
Description: Special topics in communications systems.
Notes: Students must register for both ECSE 686D1 and ECSE 686D2.
No credit will be given for this course unless both ECSE 686D1 and ECSE 686D2 are successfully completed in consecutive terms.
ECSE 686D1 and ECSE 686D2 are equivalent to ECSE 686
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 686D2
Credit Weight: 2
Transcript Title: Topics: Communication Systems
Calendar Title: Topics: Communication Systems.
Description: Special topics in communications systems.
Notes: Prerequisite: ECSE 686D1.
No credit will be given for this course unless both ECSE 686D1 and ECSE 686D2 are successfully completed in consecutive terms.
ECSE 686D1 and ECSE 686D2 are equivalent to ECSE 686
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 686N1
Credit Weight: 2
Transcript Title: Topics: Communication Systems
Calendar Title: Topics: Communication Systems.
Description:
Special topics in communications systems.

Notes:
Students must also register for ECSC 686N2
No credit will be given for this course unless both ECSE 686N1 and ECSE 686N2 are successfully completed in consecutive terms.
ECSE 686D1 and ECSE 686D2 are equivalent to ECSE 686

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 686N2
Credit Weight: 2
Transcript Title: Topics: Communication Systems
Calendar Title: Topics: Communication Systems.
Description:
Special topics in communications systems.
Notes:
Prerequisite: ECSE 686D1
No credit will be given for this course unless both ECSE 686D1 and ECSE 686D2 are successfully completed in consecutive terms.
ECSE 686D1 and ECSE 686D2 are equivalent to ECSE 686

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 688
Credit Weight: 4
Transcript Title: Recent Advances in Elect Eng 1
Calendar Title: Recent Advances in Electrical Engineering 1.
Description:
Course content suited to the area of specialization of the lecturer.
Notes:
(3-0-9)
This course is basically following a MTWR schedule pattern. However, during the second week, there won’t be any class on Thursday, May 15. During the third week, there won’t be any class on Monday, May 19 due to a statutory holiday, but there will be a class on Friday, May 23 to replace the Monday class. During the fourth week, there won’t be any class on Monday, May 26. During the fifth and sixth (last) week, there will be again classes from Monday through Thursday.

Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 689
Credit Weight: 4
Transcript Title: Recent Advances: Elec Eng 2
Calendar Title: Recent Advances: Electrical Engineering 2.
Description:
Course content suited to the area of specialization of the lecturer.
Notes:
(3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor.
Notes: (3-0-6)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 692
Credit Weight: 4
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor.
Notes: (3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 693
Credit Weight: 4
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor.
Notes: (3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 694
Credit Weight: 4
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor.
Notes: (3-0-9)
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active

ECSE 695
Credit Weight: 4
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor.
Notes: (3-0-9)
Administering Faculty: Graduate Studies
<table>
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<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
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<td>ECSE 696</td>
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<td>Thesis Research 6</td>
<td>Thesis Research 6</td>
<td>Independent research work under the direction of the Thesis Supervisor.</td>
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<td>ECSE 701</td>
<td>0</td>
<td>Ph.D. Qualifying Examination</td>
<td>Ph.D. Qualifying Examination</td>
<td>Oral Examination of Ph.D. student's background in defined areas.</td>
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<td>ECSE 702</td>
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<td>Ph.D. Research Plan Proposal</td>
<td>Ph.D. Research Plan Proposal</td>
<td>Definition of a plan for Ph.D. research.</td>
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<td>ECSE 703</td>
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<td>Doctoral Research Seminar</td>
<td>Doctoral Research Seminar</td>
<td>Submission of a research manuscript and presentation of work in an accompanying seminar.</td>
<td>Prerequisite: ECSE 702.</td>
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Notes:
- Prerequisite: ECSE 702.
Administering Faculty: Graduate Studies
Teaching Department: Electrical & Computer Engr
Status (catalog level): Active
EDEA 204
Credit Weight: 3
Transcript Title: Drawing
Calendar Title: Drawing.
Description:
Development of sound drafting skills through the study of organic forms and the human figure in various media.
Symbols:  LIMT - Limited enrolment
          CONC - Education - course could be acceptable in an academic concentration
Notes:
The course includes a fee of $10 for art supplies such as pastels and to cover the cost of live models. The fee is refundable until the end of the course add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 205
Credit Weight: 3
Transcript Title: Painting 2
Calendar Title: Painting 2.
Description:
Investigation of color, media, tools, techniques. Studies of natural forms, the human figure.
Symbols:  LIMT - Limited enrolment
          CONC - Education - course could be acceptable in an academic concentration
Notes:
Prerequisite: EDEA 204
The additional course charge of $10 for EDEA 205 and EDEA 304 covers the cost of live models and selected other materials deemed necessary in the instruction of these courses. The fee is refundable until the end of the course add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 206
Credit Weight: 1
Transcript Title: 1st Year Professional Seminar
Calendar Title: 1st Year Professional Seminar.
Description:
This seminar along with First Field Experience (Music) serves as an orientation to the culture of the school and to teaching as a profession. Emphasis is on the general functioning of elementary and secondary schools. Topics include the role of the arts in the curriculum. Professional portfolios and professional competencies will be addressed.
Notes:
Corequisite: EDFE 205
Prerequisite(s): (EDEC 248 or EDEC 249) and (EDEC 260 or EDEC 261)
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 208
Credit Weight: 1
Transcript Title: Second Prof Seminar (Music)
Calendar Title: Second Professional Seminar (Music) .
Description:
Preparation for the second field experience through development of basic practices in planning and teaching in music classrooms. Relevant professional competencies and working professional portfolios will be addressed.

Notes:
Corequisite: EDFE 208
Prerequisite(s): EDFE 205, EDEC 260 or EDEC 261, EDEC 248 or EDEC 249, EDPE 300.
Restrictions: Not open to students who have taken or are taking EDEC 253.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 241
Credit Weight: 3
Transcript Title: Basic Art Media for Classroom
Calendar Title: Basic Art Media for Classroom.
Description:
An introduction to media that can be easily adapted to elementary classroom studio exploration.

Symbols:
LIMT - Limited enrolment
CONC - Education - course could be acceptable in an academic concentration

Notes:
Arts supplies such as plaster, clay, and paints provided in class. As well, the fee of $15 includes a museum entrance charge for a guided tour. The fee is refundable until the end of the course add/drop period.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 242
Credit Weight: 3
Transcript Title: Cultural Skills 1
Calendar Title: Cultural Skills 1.
Description:
Development of Indigenous skills and knowledge in art, music, handicrafts and other areas both modern and traditional. Topics will vary and be chosen from a range identified by instructors and students.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 243
Credit Weight: 3
Transcript Title: Cultural Skills 2
Calendar Title: Cultural Skills 2.
Description:
Development of Indigenous skills and knowledge in art, music, handicrafts and other areas both modern and traditional.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Notes:
Note: Topics will vary and will cover different cultural skills than EDEA 242.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 244
Credit Weight: 3
Transcript Title: Cultural Skills - Fall
Calendar Title: Cultural Skills - Fall.
Description:
Development of Indigenous skills and knowledge in art, music, handicrafts and other areas both modern and traditional. Topics will vary and be chosen from a range identified by instructors and students. Seasonally based and will cover Fall cultural skills.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 245
Credit Weight: 3
Transcript Title: Cultural Skills - Winter
Calendar Title: Cultural Skills - Winter.
Description:
Development of Indigenous skills and knowledge in art, music, handicrafts and other areas both modern and traditional. Topics will vary and be chosen from a range identified by instructors and students. Seasonally based and will cover Winter cultural skills.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 246
Credit Weight: 3
Transcript Title: Cultural Skills - Spring
Calendar Title: Cultural Skills - Spring.
Description:
Development of Indigenous skills and knowledge in art, music, handicrafts and other areas both modern and traditional. Topics will vary and be chosen from a range identified by instructors and students. Seasonally based and will cover Spring cultural skills.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 247
Credit Weight: 3
Transcript Title: Cultural Skills - Summer
Calendar Title: Cultural Skills - Summer.
Description:
Development of Indigenous skills and knowledge in art, music, handicrafts and other areas both modern and traditional. Topics will vary and be chosen from a range identified by instructors and students. Seasonally based and will cover Summer cultural skills.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 296
Credit Weight: 3
Transcript Title: Basic Design
Calendar Title: Basic Design.
Description:
Exploration of the basic elements of visual art through two dimensional composition and three-dimensional constructions. Investigation of materials and tools and the processes of manipulating and relating materials.
Symbols:  LIMT - Limited enrolment
         CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 302
Credit Weight: 3
Transcript Title: Special Topics
Calendar Title: Special Topics.
Description:
Selected topics and contemporary issues in education in the arts. The content will vary from year to year and will be announced prior to registration.
Symbols:  LIMT - Limited enrolment
         CONC - Education - course could be acceptable in an academic concentration
Notes:
There is a fee of $36 to support the cost of attending a theatre production and art gallery special exhibition.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 304
Credit Weight: 3
Transcript Title: Painting 3
Calendar Title: Painting 3.
Description:
Continuation of course EDEA 205 with emphasis on drawing and structure.
Symbols:  LIMT - Limited enrolment
         CONC - Education - course could be acceptable in an academic concentration
Notes:
Prerequisite: EDEA 205
The additional course charge of $10 for EDEA 205 and EDEA 304 covers the cost of live models and selected other materials deemed necessary in the instruction of these courses. The fee is refundable until the end of the course add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 307
Credit Weight: 3
Transcript Title: Drawing 2
Calendar Title: Drawing 2.
Description:
A course designed to further the individual's natural drawing ability, and to develop a keen, perceptive approach to varied subject matter, including figure drawing.
Symbols:  LIMT - Limited enrolment
Notes:
Prerequisite: EDEA 204
The course includes a fee of $10 for art supplies such as pastels and to cover the cost of live models. The fee is refundable until the end of the course add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 332
Credit Weight: 3
Transcript Title: Art C&I--Elementary
Calendar Title: Art Curriculum and Instruction - Elementary.
Description:
An introduction to theories on children's visual expression and perception, lesson planning, and classroom-oriented studio practice.
Symbols: LIMT - Limited enrolment
         NAEL - Not available as an Education elective
Notes:
The course includes a fee of $10 for art supplies such as ink, paper, brushes, fabric, tape, thread, etc. The fee is refundable until the end of the course add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 341
Credit Weight: 3
Transcript Title: Listening for Learning
Calendar Title: Listening for Learning.
Description:
Musical knowledge is developed and articulated through a structured approach to listening. Using recorded examples, students learn how to recognize, identify and discuss musical elements, devices, styles and genres.
Symbols: LIMT - Limited enrolment
        CONC - Education - course could be acceptable in an academic concentration
Notes:
The ability to read notation is not a prerequisite
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 342
Credit Weight: 3
Transcript Title: C&I in Drama Education
Calendar Title: Curriculum and Instruction in Drama Education.
Description:
Pedagogical theory and practical applications in the teaching of developmental drama, dramatic forms, improvisation and theatre arts.
Symbols: LIMT - Limited enrolment
         NAEL - Not available as an Education elective
Notes:
The course EDEA 342 includes a $24.46 course fee covering the greatly reduced cost of attending a live, professional theatre production. Attendance is a part of the course requirement. The fee is refundable until the end of the add/drop
EDEA 345
Credit Weight: 3
Transcript Title: Music C&I for Generalists
Calendar Title: Music Curriculum and Instruction for Generalists.
Description: Study of materials and instructional techniques grounded in an understanding of basic musical concepts and contemporary theories of music teaching and learning. Definition of musical objectives and rationales, selection and development of materials, review of MEQ guidelines. Participation through singing, movement, listening, discussion and lesson planning and implementation.
Symbols: LIMT - Limited enrolment
NAEL - Not available as an Education elective
Notes: Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 394
Credit Weight: 3
Transcript Title: Creative Dramatics for Classroom
Calendar Title: Creative Dramatics for Classroom.
Description: A participatory course in creative drama and the use of improvisational techniques in the pursuit of student development.
Symbols: LIMT - Limited enrolment
CONC - Education - course could be acceptable in an academic concentration
Notes: Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 407
Credit Weight: 3
Transcript Title: Final Yr. Prof. Seminar Music
Calendar Title: Final Year Professional Seminar Music.
Description: Professional competencies and final preparation of professional portfolios will be addressed. Summary of philosophical, theoretical and practical issues related to the profession of teaching.
Notes: Corequisite: EDFE 407
Restriction: Students in B.Ed. in Music or Concurrent B.Ed. and B.Mus.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEA 410
Credit Weight: 3
Transcript Title: Aesthetics & Art for the Classroom
Calendar Title: Aesthetics and Art for the Classroom.
Description: The course is designed to address the need for teachers to be able to lead
students to increased perceptual awareness and critical thinking in relation to
their visual environment. Museum visits are a regular component of this course.

Symbols:  LIMT - Limited enrolment

Notes:
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fourth lecture day.

Administering Faculty:  Faculty of Education
Teaching Department:  Integrated Studies in Ed

Status (catalog level):  Active

EDEA 442
Credit Weight: 3
Transcript Title:  Methods in Music Education 1
Calendar Title:  Methods in Music Education 1.
Description:
Preparation for Third Field Experience. Includes the study of music curriculum
content and instructional approaches, classroom management issues, lesson planning
and program development for elementary and secondary schools. Relevant
professional competencies will be addressed, developed and assessed
Symbols:  BED3 - Open only to B.Ed. students.
            NAEL - Not available as an Education elective

Notes:
Corequisite(s):  EDFE 308, EDES 350

Administering Faculty:  Faculty of Education
Teaching Department:  Integrated Studies in Ed

Status (catalog level):  Active

EDEA 472
Credit Weight: 3
Transcript Title:  Methods in Music Education 2
Calendar Title:  Methods in Music Education 2.
Description:
Preparation for Fourth Year Field Experience. Includes the study of music
curriculum content and instructional approaches, classroom management issues,
lesson planning and program development for elementary and secondary schools.
Relevant professional competencies will be addressed, developed and assessed.
Symbols:  BED3 - Open only to B.Ed. students.
            NAEL - Not available as an Education elective

Notes:
Prerequisite:  EDEA 442
Corequisite:  EDFE 407

Administering Faculty:  Faculty of Education
Teaching Department:  Integrated Studies in Ed

Status (catalog level):  Active

EDEA 496
Credit Weight: 3
Transcript Title:  Sculpture 1
Calendar Title:  Sculpture 1.
Description:
An investigation of basic sculpture methods and concepts with a view toward
developing personal aptitudes. Development of three-dimensional thinking through
direct experience with processes using new and traditional materials.
Symbols:  LIMT - Limited enrolment
            CONC - Education - course could be acceptable in an academic concentration

Notes:
The course includes a fee of $35 for art supplies such as clay, plaster, hydrostone and to cover the cost of live models. The fee is refundable until the end of the course add/drop period.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDEA 555**  
**Credit Weight:** 3  
**Transcript Title:** Applied Theatre  
**Calendar Title:** Applied Theatre.  
**Description:** Exploration of the practices of theatre and drama in non-traditional settings, encompassing theatre practices and process drama that tackle areas of social and cultural policy such as public health, education, housing and social welfare.  
**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDEA 655**  
**Credit Weight:** 3  
**Transcript Title:** Arts-Based Educational Research  
**Calendar Title:** Arts-Based Educational Research.  
**Description:** Forms of thinking and portraying that emanate from the arts: music, dance, drama, visual art, poetry, which provide an aesthetically-oriented lens from which to examine perspectives and premises that influence educational practice, and to develop processes that use one or more of the arts.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active
EDEC 201
Credit Weight: 1
Transcript Title: 1st Year Professional Seminar
Calendar Title: First Year Professional Seminar.
Description:
Orientation to the culture and community of school and to teaching as a
profession. Focus on the general functioning of schools and complexity of the
teacher role. Competencies and working professional portfolios will be addressed.
Notes:
Corequisite: EDFE 200
Restriction: Open to B.Ed. Secondary and B.Ed. K/Elem. students only
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 202
Credit Weight: 3
Transcript Title: Effective Communication
Calendar Title: Effective Communication.
Description:
Effective writing, speaking, and non-verbal communication skills for a variety of
academic and professional situations. Feedback approaches, influential rhetoric,
and how to make effective requests to build productive teams through
communication. Communication norms in multiple contexts and cultures,
identification and correction of common errors in grammar, mechanics and usage.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 203
Credit Weight: 3
Transcript Title: Communication in Education
Calendar Title: Communication in Education.
Description:
Written and oral communication in Education (in English): emphasis on strategies
for identifying, analyzing and solving writing and speaking problems. Course work
based on academic and professional communication in education, with a particular
focus on classroom communication.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Because this course uses a workshop format, attendance at first class is
desirable. If appropriate, may be included in the academic concentration.
**This course is only for the Office of First Nations and Inuit Education (OFNIE)
for getting people to register online.
**Web add deadline is July 20, 2023.
**Web drop deadline is July 15, 2023.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 203D1
Credit Weight: 1.5
Transcript Title: Communication in Education
Calendar Title: Communication in Education.
Description:
Written and oral communication in Education (in English): emphasis on strategies for identifying, analyzing and solving writing and speaking problems. Course work based on academic and professional communication in education, with a particular focus on classroom communication.

**Notes:**
- Students must register for both EDEC 203D1 and EDEC 203D2.
- No credit will be given for this course unless both EDEC 203D1 and EDEC 203D2 are successfully completed in consecutive terms.
- EDEC 203D1 and EDEC 203D2 together are equivalent to EDEC 203.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 203D2**  
**Credit Weight:** 1.5  
**Transcript Title:** Communication in Education  
**Calendar Title:** Communication in Education.  
**Description:** Written and oral communication in Education (in English): emphasis on strategies for identifying, analyzing and solving writing and speaking problems. Course work based on academic and professional communication in education, with a particular focus on classroom communication.

**Notes:**
- Students must register for both EDEC 203D1 and EDEC 203D2.  
- No credit will be given for this course unless both EDEC 203D1 and EDEC 203D2 are successfully completed in consecutive terms.  
- EDEC 203D1 and EDEC 203D2 together are equivalent to EDEC 203.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 208**  
**Credit Weight:** 3  
**Transcript Title:** Expressive Writing  
**Calendar Title:** Expressive Writing.  
**Description:** The focus is on strategies for writing authentic, authoritative texts as well as achieving correct grammar and appropriate style as well as the drafting and revising of a collection of short non-fiction pieces in a collaborative setting.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 215**  
**Credit Weight:** 0  
**Transcript Title:** English Exam for Teacher Cert.  
**Calendar Title:** English Exam for Teacher Certification.  
**Description:** The English Exam for Teacher Certification (EETC) is a Quebec Ministry of Education-required component of the B.Ed. degree. The exam is coordinated by an independent organization, the Centre for the English Exam for Teacher Certification (CEETC). Consists of a 2-hour exam designed to assess teacher candidates' competency in the language of instruction. Must be completed before the 3rd Field Experience. Students must register for EDEC 215 and register for the EETC on the CEETC website. Students who do not pass after four attempts require permission from the Internships & Student Affairs Office to re-take the
exam.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 216
Credit Weight: 0
Transcript Title: Indigenous Language Req.
Calendar Title: Indigenous Language Requirement.
Description:
The Indigenous language requirement is a program requirement. Students will be required to fulfill the Indigenous language competencies of the program through the successful completion of two courses in their Indigenous language.
Notes:
Limited to students enrolled in off-campus programs delivered through the Office of First Nations and Inuit Education.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 220
Credit Weight: 3
Transcript Title: Curriculum Development
Calendar Title: Curriculum Development.
Description:
This course, introducing Aboriginal educators to the principles and processes of curriculum development, emphasizes the impact of language and culture on the development of materials. Features of the process of curriculum and materials design, which are strategically important in meeting the needs of Aboriginal students, are highlighted.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 221
Credit Weight: 3
Transcript Title: Leadership and Group Skills
Calendar Title: Leadership and Group Skills.
Description:
Management, effective team leadership, group dynamics, and communications skills crucial for leaders. Discussion of mainstream, intercultural, Indigenous, international, and institutional practices and leadership skills.
Notes:
Restriction: Normally for students registered within Certificate in First Nations and Inuit Educational Leadership
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 222
Credit Weight: 3
Transcript Title: Personnel Mgmt. & Group Skills
Calendar Title: Personnel Management and Group Skills.
Description:
Management, effective team leadership, group dynamics, and communications skills
crucial to First Nations and Inuit community-based educational leaders. Techniques of developing staff members' potential through staff development and quality performance.

**Notes:**
Restriction: Normally for students registered within Certificate in First Nations and Inuit Educational Leadership.

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDEC 227**

**Credit Weight:** 3

**Transcript Title:** Naskapi Language 1

**Calendar Title:** Naskapi Language 1.

**Description:**
The phonological system, including syntax and morphology. Word generation conventions will be analyzed and labels will be developed to describe how the language functions.

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDEC 228**

**Credit Weight:** 3

**Transcript Title:** Naskapi Language 2

**Calendar Title:** Naskapi Language 2.

**Description:**
The morphology and syntax analysis of Naskapi at a more advanced level, including the study of word generation conventions. Importance will be placed on developing reading and writing skills.

**Notes:**
Prerequisite: EDEC 227

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDEC 230**

**Credit Weight:** 3

**Transcript Title:** Conflict Resolution

**Calendar Title:** Conflict Resolution.

**Description:**
Methods and techniques for preventing and resolving conflicts in the workplace. Emphasis on culturally relevant strategies.

**Notes:**
Restriction(s): Limited to students enrolled in off-campus programs delivered through First Nations and Inuit Education or permission of the OFNIE director.

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDEC 233**

**Credit Weight:** 3

**Transcript Title:** Indigenous Education

**Calendar Title:** Indigenous Education.

**Description:**
An exploration of Indigenous knowledge and pedagogy, primarily in Canada but also world-wide. Consideration of the diverse social, cultural, linguistic, political,
and pedagogical histories of Indigenous communities. Examines how a teacher's professional identity and practice can be influenced by an understanding of Indigenous knowledge and worldviews.

Notes:
There is a $25 fee used to purchase essential materials needed to provide students with first hand insight into indigenous ways of knowing. Fees are also used to remunerate indigenous elders, knowledge keepers and/or cultural presenters that provide cultural or pedagogical expertise.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 237
Credit Weight: 3
Transcript Title: Mi'gmaw Heritage Language 1
Calendar Title: Mi'gmaw Heritage Language 1.
Description:
Students will gain a basic understanding of Mi'gmaw syntax and morphology, and stress and intonation patterns of the language. Students will develop literacy and learn what makes Mi'gmaw distinctive as well as how the culture is reflected in the language.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 238
Credit Weight: 3
Transcript Title: Mi'gmaw Heritage Language 2
Calendar Title: Mi'gmaw Heritage Language 2.
Description:
Continues the study of Mi'gmaw syntax and morphology with the objective of improving student literacy. Focus on the oral skills associated with basic and classroom interaction and the difficulties encountered by additional language learners. Additional emphasis on implications for additional language teaching and learning.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Notes:
Prerequisite: EDEC 237
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.**

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 239
Credit Weight: 3
Transcript Title: Mi'gmaw Language 1
Calendar Title: Mi'gmaw Language 1.
Description:
An introduction to the study of the phonological system of Mi'gmaw for the purpose of literacy skills development. Explores Mi'gmaw syntax and morphology, word generation conventions, and Mi'gmaw labeling in order to develop understanding of the functioning of the Mi'gmaw language.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 240
Credit Weight: 3
Transcript Title: Mi'gmaw Language 2
Calendar Title: Mi'gmaw Language 2.
Description: Students will continue their syntactical and morphological analysis of Mi'gmaw and further develop their reading and writing skills. Features of Mi'gmaw that are difficult for language learners will be highlighted and implications for classroom practice discussed.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Prerequisite: EDEC 239
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.**
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 241
Credit Weight: 3
Transcript Title: Cree Language 1
Calendar Title: Cree Language 1.
Description: Students will learn their own phonology and see how the phonological system is reflected in dialects. They will learn the spelling rules and develop their literacy skills in syllabics. Finally, they will derive Cree grammatical terms and begin to study Cree morphology and syntax.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 242
Credit Weight: 3
Transcript Title: Cree Language 2
Calendar Title: Cree Language 2.
Description: Students will study the morphology and syntax analysis of Cree at a more advanced level and begin the study of word generation conventions. In addition, features of Cree that are difficult in first language acquisition will be highlighted and implications for classroom practice discussed.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Prerequisite: EDEC 241
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 243
Credit Weight: 3
Transcript Title: Teaching:Multigrade Classrooms
Calendar Title: Teaching: Multigrade Classrooms.
Description:
This course introduces students to concepts and strategies for organizing, teaching, and evaluating learning in classes in which there are students from two, three or four grade levels.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 244
Credit Weight: 3
Transcript Title: Issues in Aboriginal Education
Calendar Title: Issues in Aboriginal Education.
Description:
The content of this course changes depending on the needs and interests of the students and the educational communities participating in programs administered by First Nations and Inuit Education. It always addresses issues related to Aboriginal education, e.g., local control, development of linguistic and cultural policies.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 245
Credit Weight: 3
Transcript Title: Middle School Teaching
Calendar Title: Middle School Teaching.
Description:
Explores the philosophy of middle school teaching and how this impacts on the institutional, curricula and instructional decisions made in meeting the specialized needs of Aboriginal adolescents. Particular attention will be paid to how middle school philosophy can be integrated with Aboriginal values.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 246
Credit Weight: 3
Transcript Title: Middle School Curriculum
Calendar Title: Middle School Curriculum.
Description:
Curriculum principles underlying an integrated approach to learning in the middle school level; surveys various curricula looking at program structures; explores teaching and learning methodologies appropriate for this age level when implementing an integrated curriculum, with particular attention to integrating indigenous language and culture.
Notes:
Prerequisite: EDEC 245
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 247
Credit Weight: 3
Transcript Title: Policy Issues: QC & Indigenous Ed
Calendar Title: Policy Issues in Quebec and Indigenous Education.
Description:
The organization of Quebec education, including Indigenous education, from historical, political, social, cultural and legal perspectives. The implications and contributions of policy decisions to schools, students, and families.
Notes:
Restriction: Not open to students who have taken EDEM 405.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 248
Credit Weight: 3
Transcript Title: Equity and Education
Calendar Title: Equity and Education.
Description:
Introduction to and exploration of contemporary issues and theories about equity in education and society in Quebec/Canada from a range of perspectives, including the historical, political, social, and economic. Provides learning opportunities for future educators to critically reflect upon and engage with equity issues and concerns in relation to schooling, including the exploration of classroom resources and activities that foster anti-racism, anti-oppression and intercultural approaches.
Notes:
Restriction: Not open to students who have taken or are taking EDEC 249.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 249
Credit Weight: 3
Transcript Title: Global Ed. and Social Justice
Calendar Title: Global Education and Social Justice.
Description:
A cross-curricular, interdisciplinary approach to teaching/creating learning experiences for students. It will foster critical thinking and nurture lifelong global understanding, active engagement and participation in relation to questions of social, economic, and environmental justice, by infusing these issues in the classroom.
Notes:
Restriction: Not open to students who have taken or are taking EDEC 248.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 253
Credit Weight: 1
Transcript Title: Second Prof Seminar (K/Elem)
Calendar Title: Second Professional Seminar (Kindergarten/Elementary).
Description:
Preparation for the second field experience through development of basic practices in planning and teaching in elementary school classrooms. Competencies and working professional portfolios will be addressed.
Notes:
Corequisite: EDFE 256 or EDFE 256D1 or EDFE 208
Prerequisites: EDEE 223, EDEE 253, EDEE 273, EDEE 283
Restriction: Open to B.Ed.(K/Elem) students.
Students in the B.Ed.(K/Elem) Pédagogie de l'Immersion Française (PIF) option must have successfully completed EDSL 345 before taking this course.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 253D1
Credit Weight: 0.5
Transcript Title: Second Prof Seminar (K/Elem)
Calendar Title: Second Professional Seminar (Kindergarten/Elementary).
Description:
Preparation for the second field experience through development of basic practices in planning and teaching in elementary school classrooms. Competencies and working professional portfolios will be addressed.
Notes:
Corequisite: EDFE 256 or EDFE 256D1 or EDFE 208
Prerequisite: EDEE 223, EDEE 253, EDEE 273, EDEE 283
Restriction: Open to B.Ed.(K/Elem) students.
Students must register for both EDEC 253D1 and EDEC 253D2
No credit will be given for this course unless both EDEC 253D1 and EDEC 253D2 are successfully completed in consecutive terms
EDEC 253D1 and EDEC 253D2 together are equivalent to EDEC 253
Students in the B.Ed.(K/Elem) Pédagogie de l'Immersion Française (PIF) option must have successfully completed EDSL 345 before taking this course.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 253D2
Credit Weight: 0.5
Transcript Title: Second Prof Seminar (K/Elem)
Calendar Title: Second Professional Seminar (Kindergarten/Elementary).
Description:
See EDEC 253D1 for description.
Notes:
Corequisite: EDEC 253D1
Prerequisite: EDEC 253D1
Restriction: Open to B.Ed.(K/Elem) students.
No credit will be given for this course unless both EDEC 253D1 and EDEC 253D2 are successfully completed in consecutive terms
EDEC 253D1 and EDEC 253D2 together are equivalent to EDEC 253
Students in the B.Ed.(K/Elem) Pédagogie de l'Immersion Française (PIF) option must have successfully completed EDSL 345 before taking this course.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDEC 254
Credit Weight: 1
Transcript Title: Second Prof Seminar (Sec)
Calendar Title: Second Professional Seminar (Secondary).
Description:
Preparation for the second field experience through development of basic practices in planning and teaching in secondary school classrooms. Competencies and professional portfolio will be addressed.
Notes:
Corequisite: EDFE 254 or EDFE 254D1
Restrictions: Open to B.Ed. Sec and concurrent B.Sc. and B.Ed. students.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 254D1
Credit Weight: 0.5
Transcript Title: Second Prof Seminar (Sec)
Calendar Title: Second Professional Seminar (Secondary).
Description:
Preparation for the second field experience through development of basic practices in planning and teaching in secondary school classrooms. Competencies and professional portfolio will be addressed.
Notes:
Corequisite: EDFE 254 or EDFE 254D1
Restriction: Open to B.Ed. Sec and concurrent B.Sc. and B.Ed. students
Students must register for both EDEC 254D1 and EDEC 254D2
No credit will be given for this course unless both EDEC 254D1 and EDEC 254D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 254D2
Credit Weight: 0.5
Transcript Title: Second Prof Seminar (Sec)
Calendar Title: Second Professional Seminar (Secondary).
Description:
See EDEC 254D1 for description.
Notes:
Prerequisite: EDEC 254D1
Restrictions: Open to B.Ed. Sec and concurrent B.Sc. and B.Ed. students.
No credit will be given for this course unless both EDEC 254D1 and EDEC 254D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 260
Credit Weight: 3
Transcript Title: Philosophical Foundations
Calendar Title: Philosophical Foundations.
Description:
Ideas essential for the development of a coherent educational theory and sound professional practice. Reflections on: the nature of the person, of reality, of
knowledge, and of value; the aims of education, the nature of the school and the
curriculum, the roles and responsibilities of professional educators.

Notes:
Restrictions: Not open to students who have taken EDER 400. Students who have
taken or are taking EDEC 261 cannot take this course for credit.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 262
Credit Weight: 3
Transcript Title: Media, Tech. and Education
Calendar Title: Media, Technology and Education.
Description:
Orientation to the equipment and systems of educational technology. Examination of
theories of educational technology, media education and technology education and
the exploration and development of possible applications in school settings.

Notes:
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fourth lecture day.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 263
Credit Weight: 3
Transcript Title: ICT in Indigenous Literacy
Calendar Title: Information Communication Technology in Indigenous Literacy.
Description:
An exploration of new media, and information and computer technology (ICT) to
improve students¿ Indigenous literacy. Examines the value of ICT and new media to
literacy practitioners and educators who are engaging pedagogically with both
Western and traditional knowledges.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 270
Credit Weight: 3
Transcript Title: Algonquin Heritage Language 1
Calendar Title: Algonquin Heritage Language 1.
Description:
Students will develop a basic knowledge of the Algonquin phonological system and
gain some understanding of the morphological and syntactic rules, the stress and
intonation patterns which control the language, and how Algonquin culture is
reflected in the language.

Notes:
Restriction(s): Not open to students who have taken EDEE 293.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 271
Credit Weight: 3
Transcript Title: Algonquin Heritage Language 2
Calendar Title: Algonquin Heritage Language 2.
Description:
Continues the study of Algonquin syntax and morphology with the objective of improving student literacy. Focus on the oral skills associated with basic and classroom interaction and the difficulties encountered by additional language learners. Additional emphasis on implications for additional language teaching and learning.

Notes:
Prerequisite(s): EDEC 270
Restriction(s): Not open to students who have taken EDEC 234.

EDEC 272
Credit Weight: 3
Transcript Title: Algonquin Language 1
Calendar Title: Algonquin Language 1.
Description:
Students will learn the Algonquin phonological system. They will focus on animate/inanimate and inflections for agreement, aspect, tense and number. They will analyze word generation conventions and derive Algonquin labels to describe how Algonquin operates.

Notes:
Restriction(s): Not open to students who have taken EDEE 294.

EDEC 273
Credit Weight: 3
Transcript Title: Algonquin Language 2
Calendar Title: Algonquin Language 2.
Description:
Continues earlier study of the Algonquin language with a focus on complex tenses, complex sentence structures (e.g., conditionals, subordination, embedded structure), and nominalizing verbs and verbalizing nouns. Objective is to develop reading and writing skills.

Notes:
Prerequisite: EDEC 272
Restriction: Not open to students who have taken EDEE 295.

EDEC 275
Credit Weight: 3
Transcript Title: Mohawk Heritage Language 1
Calendar Title: Mohawk Heritage Language 1.
Description:
Students will develop a basic knowledge of the Mohawk phonological system and have some understanding of the morphological and syntactic rules, the stress and intonation patterns which control the language, and how Mohawk culture is reflected in the language.

Notes:
Restriction(s): Not open to students who have taken EDEE 296.
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 276  
Credit Weight: 3  
Transcript Title: Mohawk Heritage Language 2  
Calendar Title: Mohawk Heritage Language 2.  
Description: Continues the study of Mohawk syntax and morphology with the objective of improving student literacy. Focus on the oral skills associated with basic and classroom interaction and the difficulties encountered by additional language learners. Additional emphasis on implications for additional language teaching and learning.  
Notes: Prerequisite: EDEC 275  
Restriction(s): Not open to students who have taken EDEC 236.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 277  
Credit Weight: 3  
Transcript Title: Mohawk Language 1  
Calendar Title: Mohawk Language 1.  
Description: Students will learn the Mohawk phonological system (including glottal stop, length mark, up and down stress). Syntactically and morphologically, they will focus on the pronoun system (tense included). Word generation conventions will be analyzed and Mohawk labels developed to describe how the language functions.  
Notes: Restriction(s): Not open to students who have taken EDEE 297.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 278  
Credit Weight: 3  
Transcript Title: Mohawk Language 2  
Calendar Title: Mohawk Language 2.  
Description: Continues earlier study of the predictable items in the Mohawk language and introduces an examination of non-predictable items: irregular verbs, reflexive and semi-reflexive verbs, purposive stem, translocative, etc. Objective is to develop reading and writing skills.  
Notes: Prerequisite: EDEC 277  
Restrictions: Not open to students who have taken EDEE 298. **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 288  
Credit Weight: 3
Transcript Title: Inuktitut for Beginners
Calendar Title: Inuktitut for Beginners.
Description: An introduction to the basic structures of Inuktitut, with intensive drill and classroom practice in the use of the language.
Notes: Restriction(s): Not open to students who have taken EDEE 341.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 289
Credit Weight: 3
Transcript Title: Inuktitut Orthography & Grammar
Calendar Title: Inuktitut Orthography and Grammar.
Description: Structure and morphology of Inuktitut for teachers working in that language. Use of orthography, both qaliujaqpaqt (Roman script) and qaniujaqpaqt (syllabics) as established by the Inuit Cultural Association.
Notes: Prerequisite: Fluency in Inuktitut
Restrictions: Not open to students who have taken EDEE 249.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 300
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description: Selected topics and contemporary developments in the areas of elementary and/or secondary education. The content will vary from year to year and will be announced prior to registration.
Notes: Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 300D1
Credit Weight: 1.5
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description: Selected topics and contemporary developments in the areas of elementary and/or secondary education. The content will vary from year to year and will be announced prior to registration.
Notes: Students must register for both EDEC 300D1 and EDEC 300D2.
No credit will be given for this course unless both EDEC 300D1 and EDEC 300D2 are successfully completed in consecutive terms.
EDEC 300D1 and EDEC 300D2 together are equivalent to EDEC 300.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDEC 300D2
Credit Weight: 1.5
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description:
Selected topics and contemporary developments in the areas of elementary and/or secondary education. The content will vary from year to year and will be announced prior to registration.
Notes:
Students must register for both EDEC 300D1 and EDEC 300D2.
No credit will be given for this course unless both EDEC 300D1 and EDEC 300D2 are successfully completed in consecutive terms.
EDEC 300D1 and EDEC 300D2 together are equivalent to EDEC 300.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 301
Credit Weight: 3
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description:
Selected topics and contemporary developments in the areas of elementary and/or secondary education. The content will vary from year to year and will be announced prior to registration.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 302
Credit Weight: 3
Transcript Title: Language&Learning - Curriculum
Calendar Title: Language and Learning - Curriculum.
Description:
This course on language and learning across the curriculum will explore the central role of pupils' language, both oral and written, in their learning and the implications for using this learning tool in teaching. It will also consider "languages" (e.g. computers, media, etc.) in teaching and learning.
Notes:
Restriction: Not for credit if EDSL 301 or EDSL 311 has been or is being taken
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Inactive

EDEC 308
Credit Weight: 3
Transcript Title: Learning to Write Fiction
Calendar Title: Learning to Write Fiction.
Description:
Course focuses on basic story elements: character development, plot structure, setting, description, dialogue, point of view and the drafting and revising of stories through a shared experience within a community of supportive readers.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
EDEC 309
Credit Weight: 3
Transcript Title: Learning to Write Poetry
Calendar Title: Learning to Write Poetry.
Description:
Basic poetic techniques such as free writing, lineation, metaphor, simile, and scansion. Collaborative development and oral readings.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 311
Credit Weight: 6
Transcript Title: Resource Management
Calendar Title: Resource Management.
Description:
A problem-solving approach (needs assessment, projections, creative solutions, and proposals) will establish a procedure for proactive management of the First Nations and Inuit educational environment (human, financial, and physical resources). Topics include staffing, finance, budgeting, payroll, interviewing techniques, health and safety management, and building and equipment maintenance.
Notes:
Restriction: Normally for students registered within the Certificate in First Nations and Inuit Educational Leadership
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 312
Credit Weight: 3
Transcript Title: Practicum in Educ. Leadership
Calendar Title: Practicum in Educational Leadership.
Description:
A work-study course within a First Nations and Inuit educational milieu. Supervised practice and application of communication and group skills; staff development and evaluation; human, fiscal, and physical resource management; and community outreach.
Notes:
Restriction: Normally for students registered within the Certificate in First Nations and Inuit Educational Leadership
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 313
Credit Weight: 3
Transcript Title: Indigenous Land-Based Pedagogy
Calendar Title: Indigenous Land-Based Pedagogy.
Description:
Focuses on the role of land-based experiential learning in contributing to pedagogical practices of educators and learners. Models and addresses how to incorporate land-based education in the preparation and delivery of K-11 curriculum. Structured to encourage reflection regarding peoples-to-land relationships and the social relations, knowledges and languages that arise.
Notes:
Restriction: Open only to students enrolled in First Nations and Inuit programs offered by the Faculty of Education.

Administering Faculty: School of Continuing Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 321
Credit Weight: 3
Transcript Title: Visions & Realts of Indigenous Ed
Calendar Title: Visions and Realities of Indigenous Education.
Description:
Exploration of Indigenous traditions and worldviews, and the direction they offer Indigenous education. Consideration of how contemporary Indigenous thought can be translated into education practice.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 341
Credit Weight: 3
Transcript Title: Intermed Indigenous HertgeLang
Calendar Title: Intermediate Indigenous Heritage Language.
Description:
Study of local Indigenous grammar and discourse practices of literacy and orality. Focus on oral and emerging writing skills, including difficulties encountered by additional language learners.

Notes:
Prerequisite: EDEC 271 or EDEC 238 or EDEC 276
Restriction: Open only to students enrolled in First Nations and Inuit programs offered by the Faculty of Education.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 342
Credit Weight: 3
Transcript Title: Intermediate Indigenous Lang
Calendar Title: Intermediate Indigenous Language.
Description:
A study of Indigenous language phonology and structure, emphasizing the connection between the two, demonstrating the orderliness of many dialectic differences.

Notes:
Prerequisite(s): EDEC 289 or equivalent, e.g. EDEC 273, EDEC 278 or permission of Director
Restriction(s): Not open to students who have taken EDEE 342. Limited to students enrolled in off-campus programs delivered through the Office of First Nations and Inuit Education.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 343
Credit Weight: 3
Transcript Title: Adv Indigenous Heritage Lang
Calendar Title: Advanced Indigenous Heritage Language.
Description: Local Indigenous language (discourse and grammar) and its connection to local culture. Use of complex language patterns and formal language, and discussion of community issues and the study of customs, traditions, and worldviews.
Notes: Prerequisite: EDEC 341
Restriction: Open only to students enrolled in First Nations and Inuit programs offered by the Faculty of Education.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 344
Credit Weight: 3
Transcript Title: Advanced Indigenous Language
Calendar Title: Advanced Indigenous Language.
Description: The final course in a set dealing with Indigenous phonology and structure. An understanding of basic Indigenous syntax in particular, rules governing verb and possessive endings.
Notes: Prerequisite(s): EDEC 342 or permission of Director
Limited to students enrolled in off-campus programs delivered through the Office of First Nations and Inuit Education.
Restriction(s): Not open to students who have taken EDEE 344.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 351
Credit Weight: 2
Transcript Title: Third Prof Seminar (Sec)
Calendar Title: Third Professional Seminar (Secondary).
Description: Professional portfolios and competencies will be addressed. Preparation for the third field experience through engaging in the full spectrum of unit/lesson planning, critical analysis and self-reflection. Professional portfolios and competencies will be addressed.
Notes: Prerequisite: EDEC 254 or EDEC 254D1/D2
Corequisites: EDFE 351 and EDES 350
Restriction: Open to B.Ed. Secondary, B.Sc. and B.Ed. concurrent students only.
Not open to students who have taken EDEC 306.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 374
Credit Weight: 3
Transcript Title: Education and Environment
Calendar Title: Education and the Environment.
Description: Familiarizes students with major environmental issues, engages them in interdisciplinary problem-based inquiries and draws attention to the interrelatedness of biotic and abiotic components of the ecosystem. Promotes understanding of the impact of individual and collective civic and economic choices on environmental resources.
Notes: Restriction(s): Not open to students who have taken EDEE 474.
Note 1: Offered through Summer Studies
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 403
Credit Weight: 3
Transcript Title: The Dialects of Inuktitut
Calendar Title: The Dialects of Inuktitut.
Description: Study of the main Eskimo-Aleut dialects from Siberia to Greenland, looking at the effect of Inuit migrations across the Arctic on the development of dialectical differences. The main phonological, grammatical and lexical differences between the dialects and the patterns underlying these differences will be examined.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Prerequisite: EDEE 344
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 404
Credit Weight: 3
Transcript Title: 4th Yr Prof. Seminar (Sec)
Calendar Title: Fourth Year Professional Seminar (Sec).
Description: Preparation for the final field experience and entry into the teaching profession. Emphasis will be placed on developing the ability to demonstrate ethical and responsible professional behaviour in the performance of duties across all professional competencies. Final transition to showcase working professional portfolios will be addressed.
Notes: Prerequisites: EDEC 306 or EDEC 351, EDFE 351
Corequisite: EDFE 451
Restriction: Open to B.Ed. Secondary students only
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 405
Credit Weight: 3
Transcript Title: 4th Yr Prof. Sem. (K/Elem)
Calendar Title: Fourth Year Professional Seminar (K/Elem).
Description: Preparation for the final field experience and entry into the teaching profession. Emphasis will be placed on developing the ability to demonstrate ethical and responsible professional behaviour in the performance of duties across all
professional competencies. Final transition from working professional portfolios will be addressed.

Notes:
Prerequisite: EDEE 355  
Corequisite: EDFE 406  
Restriction: Open to B.Ed. K/Elem. students only  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 575
Credit Weight: 3  
Transcript Title: Special Topics in Education  
Calendar Title: Special Topics in Education.  
Description:  
In-depth study of current topic(s) in the field of education.  
Notes:  
Restrictions: Open only to higher-level Undergraduate students and Master's students.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 590
Credit Weight: 3  
Transcript Title: Culturally App Teaching Styles  
Calendar Title: Culturally Appropriate Teaching.  
Description:  
Principles of cooperative learning and how they may be applied in Indigenous schools to the creation of effective classroom activities and to the development of culturally appropriate learning materials. Referring to culturally grounded learning styles, appropriate teaching styles will be examined. Critical pedagogy will be emphasized.  
Notes:  
Restriction(s): Not open to students who have taken EDEE 290.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 591
Credit Weight: 3  
Transcript Title: Cultural Values & Socialization  
Calendar Title: Cultural Values and Socialization.  
Description:  
An introduction to the educational implications of cultural values and patterns of socialization of youth. Topics will include a description of the cultural values of Indigenous peoples, home styles of communication, learning and discipline and intercultural educational issues.  
Notes:  
Restriction(s): Not open to students who have taken EDEE 291.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEC 602
Credit Weight: 3  
Transcript Title: Foundations in Curriculum
Calendar Title: Foundations in Curriculum.
Description:
This course introduces the field of curriculum studies, including a historical approach to the discourses, debates and issues that have shaped it. Students will actively explore relationships between curriculum theory and professional as well as pedagogical practice.
Notes:
Fall
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 603
Credit Weight: 6
Transcript Title: Extended Individ. Reading Crse
Calendar Title: Extended Individual Reading Course.
Description:
Individualized and guided extensive study of a topic in the teaching of the candidates' specialities selected according to their interest and teaching experience.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 604
Credit Weight: 3
Transcript Title: Literacy&Learning Across Curr
Calendar Title: Literacy and Learning Across Curriculum.
Description:
Examination of the central role of language in learning across the curriculum: the processes by which pupils acquire information and understanding and the ways in which teaching must take account of these processes: learning through talk, learning by writing, learning from text.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 606
Credit Weight: 3
Transcript Title: Self-Stdy,Autoeth, & Autobcl Res
Calendar Title: Self-Study, Autoethnography, and Autobiographical Research.
Description:
Critical and ethical engagement with the relationship between self and other through various auto/biographical approaches to research in education, such as self-study, autoethnography, currere, life writing, artistic practices, writing the self, and memory-work. Exploration of various forms of writing, representation, analysis and critical discussion
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 612
Credit Weight: 3
Transcript Title: Digital Media and Learning
Calendar Title: Digital Media and Learning.
Description:
This course addresses emerging theories, pedagogies, and practices related to youth learning through digital media and online participatory cultures. Through direct engagement with multiple forms of digital media and youth, students will consider implications for teaching and learning within and beyond schools.

**Notes:**

- **Fall**

  **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

  Please note: students taking this course as part of a Teacher Education Program leading to certification will also integrate e-portfolios.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDEC 616

**Credit Weight:** 3

**Transcript Title:** Individual Reading Course

**Calendar Title:** Individual Reading Course.

**Description:**

Individualized guided study of a topic in the teaching of the candidates' specialties selected according to their interest and teaching experience.

**Notes:**

- **Fall, Winter**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDEC 617

**Credit Weight:** 3

**Transcript Title:** Special Topics in Ed Studies

**Calendar Title:** Special Topics in Educational Studies.

**Description:**

Explores important current issues in the field of Educational Studies. (Content varies from year to year).

**Notes:**

- **Winter**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDEC 620

**Credit Weight:** 3

**Transcript Title:** Meanings of Literacy

**Calendar Title:** Meanings of Literacy.

**Description:**

Investigation of basic issues related to definitions of literacy. Issues include new directions in literacy and education, the need for non-print literacies in contemporary life, and the challenges these changes present for educators.

**Notes:**

- **Winter**

  **Restriction:** Not open to students who have taken EDEM 620.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active
EDEC 624
Credit Weight: 3
Transcript Title: Res, Teaching, Learning & Teach Ed
Calendar Title: Researching, Teaching, Learning and Teacher Education.
Description: Current trends in research on teaching, learning, and teacher education in general and in specific content areas, including specific methods of data collection and analysis that are appropriate for use in studies of teaching practices, learning processes, and their interactions.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 625
Credit Weight: 3
Transcript Title: MA Sem in Practice-Based TE1
Calendar Title: MA Seminar in Practice-Based Teacher Education 1.
Description: Seminar that provides an overview of research in practice-based teacher education, across content areas, and apprenticeship opportunities in teacher preparation contexts.
Notes: Restrictions: Open only to students enrolled in the MA in Education and Society; MA in Leadership; MA in Second Language Education; or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 626
Credit Weight: 3
Transcript Title: MA Seminar in Math & Sci Ed 2
Calendar Title: MA Seminar in Math and Science Education 2.
Description: Seminar that provides an overview of research in math and science education and apprenticeship opportunities in math or science teacher preparation contexts.
Notes: Prerequisite: EDEC 625.
Restrictions: Open only to students enrolled in the M.A. in Education and Society; Science and Math Education program or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 627
Credit Weight: 3
Transcript Title: Critical Discourse Stud in Ed
Calendar Title: Critical Discourse Studies in Education.
Description: Examines critical theories of and approaches to studying discourse, with a focus on the roles of discourse as social and ideological practice in (re-)producing, questioning or challenging power relations, subject positions and established social orders. Emphasis is placed on theory and practice of discourse studies in educational contexts.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 628
Credit Weight: 3
Transcript Title: Lit-Multiling/Multicult Settgs
Calendar Title: Literacy - Multilingual/Multicultural Settings.
Description: This course examines the teaching of literacy in a range of multilingual and multicultural settings in schooling and society, primarily from the sociocultural perspectives of self and group identity as well as empowerment within majority-minority group relations.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 629
Credit Weight: 3
Transcript Title: Writing:Theory, Res & Practic
Calendar Title: Writing: Theory, Research, and Practice.
Description: A review of theories and research on the writing process and the development of writing abilities. Implications for classroom practice at the elementary, secondary, and post-secondary levels. Special attention to the design of writing assignments and to developing criteria for assessment and evaluation.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 630
Credit Weight: 3
Transcript Title: Ethnographic Approaches to Res
Calendar Title: Ethnographic Approaches to Research.
Description: Ethnography as a qualitative research approach that allows researchers to conduct in-depth studies of complex social and cultural practices. Hands-on experience in ethnographic field work and practice ethnographic research methods are offered. Focus on history and application of a range of ethnographic approaches including traditional, critical, visual, activist, institutional, and collaborative ethnography.
Notes: Restrictions: Not open to students who have taken EDSL 630.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 635
Credit Weight: 3
Transcript Title: Research Writing
Calendar Title: Research Writing.
Description: The course offers a research-led introduction to processes and practices of research writing. Working to develop their research writing projects, students learn to examine, critically reflect on, and participate in the research writing practices in their fields, guided by current research on the discursive
construction of knowledge.

Notes:
Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 646
Credit Weight: 3
Transcript Title: Sociocult & Epist Underst of Sci
Calendar Title: Sociocultural and Epistemic Understandings of Science.
Description:
This course presents historical, philosophical and sociocultural perspectives on construction of knowledge in the natural sciences. A particular emphasis will be placed on how social, cultural, and political forces shape the products of scientific practices, the importance of scientific literacy, and the relevance this bears for science education and science education research.
Notes:
Prerequisite(s): Students must have completed, with a grade of C or higher, a minimum of 24 credits in Science courses. We will also consider enrollment from students with experience teaching secondary science.
Restriction(s): MATL Science and Technology Students, PhD or MA Science Education Students or by permission from the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 647
Credit Weight: 3
Transcript Title: Sociocul & Epist Underst of Math
Calendar Title: Sociocultural and Epistemic Understandings of Mathematics.
Description:
This course presents historical, philosophical and sociocultural perspectives on construction of knowledge in mathematics. An emphasis will also be placed on how social and cultural forces shape mathematical practices, the importance of mathematical literacy, and the relevance this bears for mathematics education and mathematics education research.
Notes:
Prerequisite(s): Students must have completed, with a grade of C or higher, a minimum of 24 credits in Mathematics courses. We will also consider enrollment from students with experience teaching mathematics.
Restriction(s): MATL Science and Technology Students, PhD or MA Mathematics & Science Education Students or by permission from the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 648
Credit Weight: 3
Transcript Title: Hist Knowledge & Social Change
Calendar Title: Historical Knowledge and Social Change.
Description:
This course provides a deep understanding of how individuals and societies use history for purposes of giving meaning and acting in social reality. The emphasis is on the workings of historical consciousness for addressing educational and other societal issues of concern. Special attention will be given to exploring how history can be used for fostering positive changes for the betterment of society.
The aim is to exercise participants' own historical sense making processes and to help locate their social posture to serve as a springboard for making a difference as future practitioners for improving the quality of a common future life.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 650**  
**Credit Weight:** 3  
**Transcript Title:** Critical Race Studies & Educ  
**Calendar Title:** Critical Race Studies and Education  
**Description:**  
Investigates the relationships among race, racialization, and education. Defines education as the processes through which we claim identities, make knowledge claims, and how we learn to take action in the world. Concerned with 1) how we come to know and produce knowledge through race, 2) the pedagogical processes that normalize racial inequity; and 3) the impact of racializing knowledge and structures for variously racialized persons in educational settings. Surveys a range of intersectional critical race theoretical frameworks particularly in Canada. Relevant for developing a critically-engaged educational practice, for whom race, racialization, and social justice are central concerns.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 700**  
**Credit Weight:** 2  
**Transcript Title:** Proseminar in Education 1  
**Calendar Title:** Proseminar in Education 1  
**Description:**  
Students will be exposed to a wide range of educational theory and research as faculty members present the theoretical underpinnings, methodologies, and applications of their various programs of research.  
**Notes:**  
Fall  
Restriction: Limited to Doctoral students.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 701**  
**Credit Weight:** 0  
**Transcript Title:** Ph.D. Comprehensive Exam  
**Calendar Title:** Ph.D. Comprehensive Examination  
**Description:**  
Comprehensive examination.  
**Notes:**  
Fall, Winter  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

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**EDEC 702**  
**Credit Weight:** 2  
**Transcript Title:** Proseminar in Education 2  
**Calendar Title:** Proseminar in Education 2  
**Description:**
First-year doctoral students will be exposed to more advanced level of educational theory and research to experience the multidisciplinary nature of educational inquiry.

Notes:
Winter
Restriction: Limited to Doctoral students

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 703
Credit Weight: 4
Transcript Title: Ph.D. Colloquium
Calendar Title: Ph.D. Colloquium.
Description:
Second-year doctoral students will have formal and informal opportunities to present their work for critical discussion and dialogue. Students will also discuss fundamental issues and questions in the field of education.
Notes:
Fall
Restriction: Not open to students who have taken EDEC 704.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 705
Credit Weight: 3
Transcript Title: Advanced Research Designs
Calendar Title: Advanced Research Designs.
Description:
Examination of research methods that are supported by multiple research perspectives.
Notes:
Restriction: Limited to Doctoral students

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 706
Credit Weight: 3
Transcript Title: Textual Approaches to Research
Calendar Title: Textual Approaches to Research.
Description:
Survey a range of research strategies including philosophical, theoretical, historical, narrative, and autobiographical methods of textual analysis.
Notes:
Fall
Restriction: Limited to Doctoral students

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 707
Credit Weight: 3
Transcript Title: Interpretive Inquiry
Calendar Title: Interpretive Inquiry.
Focus on issues of voice, reflectivity, and representation when using interpretive frameworks in qualitative research.

Notes:
Restriction: Not open to students who have taken EDEM 679

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 708
Credit Weight: 3
Transcript Title: PhD Sem in Practice-Based TE 1
Calendar Title: PhD Seminar in Practice-Based Teacher Education 1.
Description:
Seminar that provides an overview of research in practice-based teacher education, across content areas, and apprenticeship opportunities in teacher preparation contexts
Notes:
Restrictions: Open only to students enrolled in the Ph.D. in Educational Studies; Math and Science Education program or permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEC 709
Credit Weight: 3
Transcript Title: PhD Seminar in Math & Sci Ed 2
Calendar Title: PhD Seminar in Math and Science Education 2.
Description:
Seminar that provides an overview of research in math and science education and apprenticeship opportunities in math or science teacher preparation contexts.
Notes:
Prerequisite: EDEC 708

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDEE 130
Credit Weight: 0
Transcript Title: Diag Math Test for BEd K/Elem
Calendar Title: Diagnostic Math Test for B.Ed. K/Elementary.
Description:
Diagnostic test designed to determine knowledge and understanding of Elementary school math concepts. Students who do not pass will be required to successfully complete MATH 111.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 223
Credit Weight: 3
Transcript Title: Language Arts
Calendar Title: Language Arts.
Description:
Different approaches to language arts education in the contexts of kindergarten and elementary classrooms will be investigated. Explores current research and theories related to language and literacy development, learning and teaching. Opportunities for cultivating techniques for aligning language arts pedagogy, curriculum, instruction and assessment will be provided.
Notes:
Corequisites: EDEE 253 and EDEE 283.
**This course will be held on July 5, 6, 7, 8, 9, 12 & 13.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 230
Credit Weight: 3
Transcript Title: Elementary School Math. 1
Calendar Title: Elementary School Mathematics 1.
Description:
Elementary Education: The first of two courses specially designed for elementary school pre-service teachers. Focused on key areas of what teachers need to know and able to do to support students' development of mathematical understanding (focus on mathematics content, students' reasoning, and pedagogy). Provides insight and understanding of the Quebec elementary mathematics program.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 234
Credit Weight: 3
Transcript Title: Elementary School Geometry
Calendar Title: Elementary School Geometry.
Description:
A course specially designed for elementary school teachers to provide the basic foundations, insight and understanding of the geometry found in the Quebec modern elementary mathematics programs.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEE 240  
Credit Weight: 3  
Transcript Title: Use & Adaptation of Curricula  
Calendar Title: Use and Adaptation of Curricula.  
Description: Provincial or Nunavut curricula as a basis for planning, materials production and evaluation. Methods of adapting curricula to local needs and of developing local courses of study in First Nations and Inuit community schools.  
Notes:  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEE 243  
Credit Weight: 3  
Transcript Title: Reading Meth in Inuktitut/Cree  
Calendar Title: Reading Methods in Inuktitut/Cree.  
Description: Overview of reading theories and their application to Inuktitut/Cree; processes used by proficient readers. Methods of teaching reading.  
Notes:  
Prerequisite: Fluency in Inuktitut/Cree syllabics  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEE 245  
Credit Weight: 3  
Transcript Title: Orientation to Education  
Calendar Title: Orientation to Education.  
Description: Introduction to planning and maintaining a learning environment in Indigenous classroom as a unique pedagogical setting. Study and application of differential learning styles.  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDEE 248  
Credit Weight: 3  
Transcript Title: Reading & Writing Inuktitut/Cree  
Calendar Title: Reading and Writing Inuktitut/Cree.  
Description: Methods of teaching syllabic reading and writing. Understanding the principles of sight word reading instruction, child observation, material development and guided instruction.  
Notes:  
Prerequisite: Fluency in Inuktitut/Cree syllabics  
Administering Faculty: Faculty of Education  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active
Credit Weight: 2
Transcript Title: The Kindergarten Classroom
Calendar Title: The Kindergarten Classroom.
Description:
An orientation to the Kindergarten curriculum. Integration of the school subject areas (language arts, second language, mathematics, social sciences, science, expressive arts, moral and religious education, and physical education) in a manner appropriate to the developmental level of the pre-school child.
Notes:
Corequisites: EDEE 223 and EDEE 282.
Restriction: Not open to students who have taken EDEC 310
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 253
Credit Weight: 3
Transcript Title: Kindergarten Classroom Ped
Calendar Title: Kindergarten Classroom Pedagogy.
Description:
Elementary Education: An orientation to the Kindergarten curriculum. Integration of the school subject areas (language arts, second language, mathematics, social sciences, science, expressive arts, moral and religious education, and physical education) in a manner appropriate to the developmental level of the pre-school child.
Notes:
Corequisite(s): EDEE 223 and EDEE 283
Restriction(s): Not open to students who have taken EDEC 310 and EDEE 250.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 260
Credit Weight: 3
Transcript Title: Reading Methods - K/Elementary
Calendar Title: Reading Methods - Kindergarten/Elementary.
Description:
Methods and materials for the teaching of reading.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 270
Credit Weight: 3
Transcript Title: Elementary School Science
Calendar Title: Elementary School Science.
Description:
Science as a means of exploring and explaining our environment. A study of some of the fundamental concepts and process skills common to most elementary programs.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
The course includes a fee of $15 for a lab manual prepared by the professor required for the course. The fee is refundable until the end of the course add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 273
Credit Weight: 3
Transcript Title: Elementary School Science 2
Calendar Title: Elementary School Science 2.
Description: Elementary Education: A study of science programs and teaching strategies appropriate for providing elementary school children with an appreciation of the nature and method of science inquiry.
Notes: Prerequisite(s): EDEE 270
Restriction(s): Not open to students who have taken EDEE 275.
The course EDEE 273 includes a $12 fee for the lab manual required by all students registered for the course. The fee is refundable until the end of the add/drop period.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 275
Credit Weight: 2
Transcript Title: Science Teaching
Calendar Title: Science Teaching.
Description: A study of science programs and teaching strategies appropriate for providing elementary school children with an appreciation of the nature and method of science inquiry.
Notes: Prerequisite: EDEE 270.
Restriction: Not open to students who have taken EDEE 372 (Teaching Science)
The course EDEE 275 includes a $12 fee covering the cost of printing for the lab manual required by all students registered for the course. The fee is refundable until the end of the add/drop period.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 280
Credit Weight: 3
Transcript Title: Geog., Hist. & Citizenship Ed.
Calendar Title: Geography, History and Citizenship Education.
Description: Designed for elementary school teachers. A multi-disciplinary and cross-curricular investigation of various citizenship education themes, geographical regions and historical periods as outlined in the Quebec Education Program.
Notes: Restriction: Faculty of Education students.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 282
Credit Weight: 2
Transcript Title: Teaching Social Sciences
Calendar Title: Teaching Social Sciences.
Description:
Programs, materials and strategies for social studies from Kindergarten through grade six.
Notes:
Prerequisite: EDEE 280.
Corequisites: EDEE 223 and EDEE 250.
Restriction: Not open to students who have taken EDEE 382
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 283
Credit Weight: 3
Transcript Title: Social Studies Pedagogy
Calendar Title: Social Studies Pedagogy.
Description:
Elementary Education: Programs, materials and strategies for social studies from Kindergarten through grade six.
Notes:
Prerequisite: EDEE 280
Corequisite(s): EDEE 223 and EDEE 253
Restriction(s): Not open to students who have taken EDEE 282.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 292
Credit Weight: 3
Transcript Title: Using Instructional Resources
Calendar Title: Using Instructional Resources.
Description:
Students will learn to find, assess, and use a variety of instructional resources. Specifically, they will learn how to evaluate the instructional value of software packages and other established audio-visual materials; how to make and use simple audio-visual materials; and how to find additional resource material in the library.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 325
Credit Weight: 3
Transcript Title: Children's Literature
Calendar Title: Children's Literature.
Description:
Selection and use of literature suitable for children in the elementary school.
Symbols: CONC – Education – course could be acceptable in an academic concentration
Notes:
Restriction: Not open to students who have taken ENGL 240, ENGL 341
Limited enrolment
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDEE 332
Credit Weight: 3
Transcript Title: Teaching Elementary Math. 2
Calendar Title: Teaching Elementary Mathematics 2.
Description:
Elementary Education: The second of two courses specifically designed for elementary school pre-service teachers. Provides opportunities for the development of increasingly sophisticated knowledge and practices specific to elementary mathematics teaching. Provides insight and understanding of the Quebec modern elementary mathematics program.
Notes:
Prerequisite: EDEE 230, EDFE 306.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 340
Credit Weight: 3
Transcript Title: Sp Topics: Cultural Issues
Calendar Title: Special Topics: Cultural Issues.
Description:
Seminars on Inuit culture or on selected aspects of the culture of First Nations peoples. Topics will include historical cultural contacts, native oral tradition, religious beliefs and cultural change. Preparation of a project on an aspect of First Nations or Inuit life will be required.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 345
Credit Weight: 3
Transcript Title: Literature&Creative Writing 1
Calendar Title: Literature and Creative Writing 1.
Description:
A study of the development of oral and written poetry and prose in the various dialects of Inuktitut or of another Aboriginal Language from pre-European contact to the present day. Emphasis on themes and structures in contemporary writings. Original production of poetry, narrative, drama and journalism in the selected language is required of each student.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 346
Credit Weight: 3
Transcript Title: Literature&Creative Writing 2
Calendar Title: Literature and Creative Writing 2.
Description:
A continuation of course EDEE 345.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Prerequisite: EDEE 345
EDEE 347
Credit Weight: 3
Transcript Title: Grammar and Composition 1
Calendar Title: Grammar and Composition 1.
Description: Reading and writing of an Indigenous language which includes using a computer. Focus is on nouns, verbs, prefixes, suffixes, along with specific Indigenous lexicon.

EDEE 348
Credit Weight: 3
Transcript Title: Grammar and Composition 2
Calendar Title: Grammar and Composition 2.
Notes: Prerequisite: EDEE 347

EDEE 350
Credit Weight: 2
Transcript Title: Integrating the Curriculum
Calendar Title: Integrating the Curriculum.
Description: Strategies and methods for integrating the individual subject areas in the elementary school curriculum, using the Québec curriculum as the primary example.
Notes: Corequisites: EDEE 352, EDEE 355, EDFE 303 or EDFE 306

EDEE 352
Credit Weight: 2
Transcript Title: Classroom Practices
Calendar Title: Classroom Practices.
Description: Theory-based strategies for setting up, managing and teaching in the elementary school classroom.
Notes: Corequisites: EDEE 350, EDEE 355 and EDFE 303 or EDFE 306
Restriction: B.Ed. (K/Elem) students
EDEE 353
Credit Weight: 3
Transcript Title: Third Yr. Prof. Sem. (K/Elem)
Calendar Title: Third Year Professional Seminar (Kindergarten/Elementary).
Description: Theory-based strategies for setting up, managing and teaching in the elementary school classroom. Methods for integrating the individual subject areas in the elementary school curriculum, using the Quebec curriculum as the primary example. Professional portfolios and professional competencies will be addressed.
Notes: Prerequisite: EDEC 253 or EDEC 253D1/D2
Corequisites: EDEE 355 and EDFE 306
Restrictions: B.Ed (K/Elem) students. Not open to students who have taken EDEE 350 or EDEE 352.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 355
Credit Weight: 3
Transcript Title: Classroom-based Evaluation
Calendar Title: Classroom-based Evaluation.
Description: The role of evaluation within kindergarten/elementary school programs. Topics include the kinds of information needed, different techniques for collecting that information, and ways of interpreting it to make educational decisions. Principles and a variety of methods for evaluation are discussed and practiced.
Notes: Corequisites: EDEE 353, EDFE 306
Restriction: B.Ed. (K/Elem) students
**This course will be held on July 15, 16, 17, 18, 19, 22 & 23.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 370
Credit Weight: 3
Transcript Title: Trad Indigenous Life Skills
Calendar Title: Traditional Indigenous Life Skills.
Description: Sharing, modelling and transferring of Indigenous knowledge about living in harmony with the elements and the environment. Featured topics include weather and its traditional interpretation, ice conditions, animal behaviours and their interactions with the environment. Hands-on learning will be emphasized.
Notes: Restriction(s): This course is offered only to students registered in First Nations and Inuit Education programs.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 371
Credit Weight: 3
Transcript Title: Intg Indig Story & Creat Writ
Calendar Title: Integrating Indigenous Storytelling and Creative Writing.
Description:
Students will be involved in storytelling and practical writing activities. Stories will be gathered from elders, residential school survivors and/or from their own experience. The intent of this course is to broaden knowledge and skill in the reading and writing of the students' heritage language.
Notes:
Restriction(s): This course is offered only to students registered in First Nations and Inuit Education programs.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 373
Credit Weight: 3
Transcript Title: Traditional Healing
Calendar Title: Traditional Healing.
Description:
Indigenous traditional healing and its cultural value. The origins of Indigenous traditional medicines will be explored through elders' knowledge and stories.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 383
Credit Weight: 3
Transcript Title: Oral and Family History
Calendar Title: Oral and Family History.
Description:
Oral and family history techniques, emphasising kinship terms and the importance of kinship values to Indigenous Cultures.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 444
Credit Weight: 3
Transcript Title: First Nations & Inuit Curriculum
Calendar Title: First Nations and Inuit Curriculum.
Description:
An introduction to First Nations and Inuit curriculum: how curriculum needs in Aboriginal communities are similar to and different from mainstream ones, the range of ways in which First Nations and Inuit have responded to curriculum needs based on language, culture, and community perceptions.
Administrating Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEE 473
Credit Weight: 3
Transcript Title: Ecological Studies
Calendar Title: Ecological Studies.
Description:
A lecture, laboratory and field course to train elementary school teachers in the
principles and practices of field biology and nature tours. The observation and identification of various organisms and a study of their ecological relationships in the web of life.

**Symbols:** CONC - Education - course could be acceptable in an academic concentration

**Notes:**
Offered through Summer Studies

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active
EDEM 220
Credit Weight: 3
Transcript Title: Contemporary Issues in Ed.
Calendar Title: Contemporary Issues in Education.
Description:
An introduction to contemporary issues in education in local, national and international contexts, including a critical perspective on educational issues by drawing on a variety of analytical frameworks.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 502
Credit Weight: 3
Transcript Title: Indigenous Fam Dyn & Supp Inst
Calendar Title: Indigenous Family Dynamics and Supporting Institutions.
Description:
Examination of Indigenous family dynamics and educational, social and administrative institutions that support families in the learning process. A study of the interdependency of the various institutions affecting the education of Indigenous children. Relationships of non-educational to educational services.
Notes:
Restriction(s): Not open to students who have taken EDEM 202.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 503
Credit Weight: 3
Transcript Title: Research Sem Indigenous Study
Calendar Title: Research Seminar In Indigenous Studies.
Description:
Provides an opportunity for a more substantial and in depth analysis of a topic of interest in Indigenous education. Strengthens students critical and research skills and deepens their understanding of Indigenous issues. Each step of the research is investigated in the seminar as well as through relevant scholarly readings. The culminating exercise will be the presentation of the research in a panel forum.
Notes:
Prerequisite(s): 12 credits in the Graduate Certificate in Teaching in Indigenous Schools for Non-Indigenous Teachers or permission of the OFNIE Program Director.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDEM 603
Credit Weight: 6
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description:
Independent study of an approved topic with the guidance of a faculty advisor.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 606
Credit Weight: 3
Transcript Title: Educational Leadership Issues  
Calendar Title: Educational Leadership Issues  
Description: Focuses on the critical analysis and appraisal of leadership issues across geographic, linguistic, racial, gender and cultural contexts from a comparative perspective. Students will analyze their own experience. This is a co-constructed course designed to speak specifically to students' realities and address areas of learning identified by the practitioner-learners in the class.  
Notes: **Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active  

EDEM 609  
Credit Weight: 3  
Transcript Title: Critical Perspect Ed Theo&Res  
Calendar Title: Critical Perspectives in Educational Theory and Research.  
Description: Critical exploration of contemporary issues in educational theory and research, in terms of current scholarship in the field, current educational contexts, and various research paradigms. Educational issues as expressions of social, ethical, political, economic, epistemological and cultural reconfigurations. Students will learn to be critical consumers of educational theories and research.  
Notes: Fall, Winter  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active  

EDEM 610  
Credit Weight: 3  
Transcript Title: Leadership in Action  
Calendar Title: Leadership in Action.  
Description: Teaches the use of reflective practice to develop theories of leadership action in educational settings. Also provides students with the knowledge, skills and attitudes necessary to engage in processes to improve individual and organizational performance. Special emphasis will be given to communication, problem solving and decision-making.  
Notes: Fall  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active  

EDEM 615  
Credit Weight: 6  
Transcript Title: Selected Issues:Contemp Educ  
Calendar Title: Selected Issues: Contemporary Education.  
Description:
Review of selected issues in contemporary education.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Integrated Studies in Ed

**Status (catalog level)**: Active

**EDEM 616**

**Credit Weight**: 3

**Transcript Title**: Individual Reading Course

**Calendar Title**: Individual Reading Course.

**Description**: Independent study of an approved topic with the guidance of a faculty advisor.

**Notes**:

**Administering Faculty**: Graduate Studies

**Teaching Department**: Integrated Studies in Ed

**Status (catalog level)**: Active

**EDEM 621**

**Credit Weight**: 6

**Transcript Title**: Thesis 1

**Calendar Title**: Thesis 1.

**Description**: Departmental seminar to guide students through the process of developing a thesis proposal, identifying a supervisor, research sites and participants, and considering ethical issues.

**Notes**:

**Administering Faculty**: Graduate Studies

**Teaching Department**: Integrated Studies in Ed

**Status (catalog level)**: Active

**EDEM 623**

**Credit Weight**: 6

**Transcript Title**: Thesis 2

**Calendar Title**: Thesis 2.

**Description**:

Continuation of EDEM 621.

**Notes**:

**Administering Faculty**: Graduate Studies

**Teaching Department**: Integrated Studies in Ed

**Status (catalog level)**: Active

**EDEM 625**

**Credit Weight**: 6

**Transcript Title**: Project 1

**Calendar Title**: Project 1.

**Description**: Theoretical or practical project under the supervision of a departmental faculty member to explore and analyze an area of interest relevant to the concentration in leadership or curriculum.

**Notes**:

**Administering Faculty**: Graduate Studies

**Teaching Department**: Integrated Studies in Ed

**Status (catalog level)**: Active
EDEM 625N1
Credit Weight: 3
Transcript Title: Project 1
Calendar Title: Project 1.
Description: Theoretical or practical project under the supervision of a departmental faculty member to explore and analyze an area of interest relevant to the concentration in leadership or curriculum.
Notes: Students must also register for EDEM 625N2. No credit will be given for this course unless both EDEM 625N1 and EDEM 625N2 are successfully completed in a twelve month period. EDEM 625N1 and EDEM 625N2 together are equivalent to EDEM 625.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 625N2
Credit Weight: 3
Transcript Title: Project 1
Calendar Title: Project 1.
Description: For description see EDEM 625N1.
Notes: Prerequisite: EDEM 625N1. No credit will be given for this course unless both EDEM 625N1 and EDEM 625N2 are successfully completed in a twelve month period. EDEM 625N1 and EDEM 625N2 together are equivalent to EDEM 625.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 627
Credit Weight: 6
Transcript Title: Project 2
Calendar Title: Project 2.
Description: Extension of Project 1 or new project.
Notes: Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 628
Credit Weight: 3
Transcript Title: Education Resource Management
Calendar Title: Education Resource Management.
Description: Explores the concepts and skills necessary to manage the human and financial resources of small organizations (schools, NGOs, departments). Among the areas explored are labour contracts, supervision, grant writing and fundraising, use of volunteers, managing site-based budgets.
Notes: Winter
EDEM 630

Credit Weight: 3
Transcript Title: Workplace Learning
Calendar Title: Workplace Learning.
Description: Drawing on different theoretical perspectives, research, and policy discourse, this course explores how changes in the contemporary character of work has produced transformations in how workplace learning is conceived and practiced.

EDEM 635

Credit Weight: 3
Transcript Title: Fiscal Accountability in Educ
Calendar Title: Fiscal Accountability in Education.
Description: Focuses on accountability in schools and education systems, public responsibility, budgeting, and measures of educational performance.

EDEM 637

Credit Weight: 3
Transcript Title: Managing Educational Change
Calendar Title: Managing Educational Change.
Description: Explores conceptual approaches to managing school improvement and organizational change with applications such as conflict management, action planning, coaching, shared vision-building and problem solving. Uses relevant case studies to bring theory into practice.

EDEM 644

Credit Weight: 3
Transcript Title: Curriculum Develop & Implement
Calendar Title: Curriculum Development and Implementation.
Description: Explores and critiques the processes of curriculum development, implementation and evaluation in relation to the field of curriculum studies. The focus will be on the role of the educator/leader as a curriculum professional in formal and non-formal learning environments.

Notes:

Fall
EDEM 646
Credit Weight: 3
Transcript Title: Planning and Evaluation
Calendar Title: Planning and Evaluation.
Description: Focuses on contemporary approaches to planning, monitoring and evaluating programs across a range of contexts (K-graduation, college, non-governmental organization, adult education centre). Areas of study include adaptive and strategic management, results-based management, log frame analysis, systems assessment, stakeholder analysis, and fourth generation evaluation.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 655
Credit Weight: 3
Transcript Title: Indigenous Res Methodologies
Calendar Title: Indigenous Research Methodologies.
Description: Explores theoretical and methodological foundations of Indigenous research. Pays special attention to research positionality as seen through the lenses of settler colonialism and Indigeneity. Highlights importance of Indigenous-led research and decolonizing methodologies. Considers various dimensions of Indigenous research including relationality, responsibility, respect, and reflexivity. Examines the process of decolonizing research by centering Indigenous knowledges, languages, cultures, histories, and identities.
Notes: Not open to students who have taken EDEC 617 when topic was "Decolonizing and Indigenous Research Methodologies".
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 660
Credit Weight: 3
Transcript Title: Community Relations in Educ
Calendar Title: Community Relations in Education.
Description: Examines the role of school community relations to foster high quality learning environments. Explores and discusses methods for encouraging public involvement in education, the role of the leader in facilitating community engagement, and issues and dilemmas in community relations.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 664
Credit Weight: 3
Transcript Title: Education and the Law
Calendar Title: Education and the Law.
Description: The legal and institutional framework of Canadian education systems; legal terminology and the tools and methods of legal research; selected public and
private law issues in Canadian education.

Notes:
Winter

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 671
Credit Weight: 3
Transcript Title: Role of the Leader
Calendar Title: Role of the Leader.
Description:
Explores the roles, expectations and skills related to the task of the educational leader and the implications for school climate and effectiveness.

Notes:
Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 673
Credit Weight: 3
Transcript Title: Leadership Theory in Education
Calendar Title: Leadership Theory in Education.
Description:
Explores theory and research on leadership approaches (including leadership styles, strategies, and communication practices) and the role of leadership theory in educational settings.

Notes:
Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 674
Credit Weight: 3
Transcript Title: Organizational Theory & Educ
Calendar Title: Organizational Theory and Education.
Description:
Focuses on contemporary organization theories and their implications for education and the management of learning environments. Also examines how theories of organizational research, strategy, and organizational learning can be applied in practice.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 675
Credit Weight: 3
Transcript Title: Spec Top 1 in Ed Leadership
Calendar Title: Special Topics 1 in Educational Leadership.
Description:
Explores important current issues in the field of Educational Leadership Studies. (Content varies from year to year).

Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fifth lecture day.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDEM 676**  
**Credit Weight:** 3  
**Transcript Title:** Organizing Non-Formal Learning  
**Calendar Title:** Organizing Non-Formal Learning.  
**Description:** Critically examines policies, structures, pedagogies, theory and practice related to non-formal learning as found in community development, voluntary organizations, trade unions and social movements at local and global levels. Also considers methodological and theoretical issues in conducting research about non-formal education.  
**Notes:** Fall  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDEM 677**  
**Credit Weight:** 3  
**Transcript Title:** Spec Top 2 in Ed Leadership  
**Calendar Title:** Special Topics 2 in Educational Leadership.  
**Description:** Explores important current issues in the field of Educational Leadership Studies. (Content varies from year to year.)  
**Notes:** Fall  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDEM 679**  
**Credit Weight:** 3  
**Transcript Title:** Spec Top 3 in Ed Leadership  
**Calendar Title:** Special Topics 3 in Educational Leadership.  
**Description:** Selected topics in educational leadership.  
**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDEM 681**  
**Credit Weight:** 3  
**Transcript Title:** Practicum-Admin Studies  
**Calendar Title:** Practicum - Administrative Studies.  
**Description:** Focuses on field studies and applied research, including the preparation of a research report. Using case studies and problem-based learning, students will draw from practical and/or contextual examples to understand educational leadership in context.  
**Notes:** Winter  
**Administering Faculty:** Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 688
Credit Weight: 3
Transcript Title: Critcl&Partcptry Resrch Mthds
Calendar Title: Critical and Participatory Research Methods.
Description:
Exploration of several critical and participatory research methodologies (such as Black radical, feminist and activist ethnography) to understand their implications for study methods (framing research questions, data collection and analysis).
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 690
Credit Weight: 3
Transcript Title: Research Methods: Theo & Pract
Calendar Title: Research Methods: Theory and Practice.
Description:
Overview of the epistemological foundations of a range of research methods, including but not limited to quantitative, philosophical, qualitative, arts-based, and mixed methods. Students will learn techniques to conduct research and to develop a research proposal.
Notes:
Fall, Winter
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 692
Credit Weight: 3
Transcript Title: Qualitative Research Methods
Calendar Title: Qualitative Research Methods.
Description:
Theoretical and practical exploration of the foundations of qualitative methods, with emphasis on underlying principles.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 693
Credit Weight: 3
Transcript Title: School Improvement Approaches
Calendar Title: School Improvement Approaches.
Description:
Focuses on the analysis of action and research approaches used to improve school performance. Explores the collection and use of data to improve decisions making; strategies for creating interventions to improve schools; and political and social facets of making good ideas become good policy and practice in schools.
Notes:
Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 695
Credit Weight: 3
Transcript Title: Policy Studies in Education
Calendar Title: Policy Studies in Education.
Description:
Focuses on issues in the field of policy studies with specific reference to the
formulation, analysis, and assessment of educational policies. Particular focus on
strategic policy implementation, analysis of unintended policy consequences and
responsive policy-making.
Notes:
Fall

EDEM 699
Credit Weight: 12
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description:
Final synthesis of the research project.
Notes:
Fall, Winter

EDEM 699D1
Credit Weight: 6
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description:
Final synthesis of the research project.
Notes:
Students must register for both EDEM 699D1 and EDEM 699D2
No credit will be given for this course unless both EDEM 699D1 and EDEM 699D2 are
successfully completed in consecutive terms
EDEM 699D1 and EDEM 699D2 together are equivalent to EDEM 699

EDEM 699D2
Credit Weight: 6
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description:
See EDEM 699D1 for course description.
Notes:
Prerequisite: EDEM 699D1
No credit will be given for this course unless both EDEM 699D1 and EDEM 699D2 are
successfully completed in consecutive terms
EDEM 699D1 and EDEM 699D2 together are equivalent to EDEM 699

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 699N1
Credit Weight: 6
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description:
Final synthesis of the research project.
Notes:
Students must also register for EDEM 699N2
No credit will be given for this course unless both EDEM 699N1 and EDEM 699N2 are successfully completed in a twelve month period

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDEM 699N2
Credit Weight: 6
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description:
See EDEM 699N1 for course description.
Notes:
Prerequisite: EDEM 699N1
No credit will be given for this course unless both EDEM 699N1 and EDEM 699N2 are successfully completed in a twelve month period

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDER 252
Credit Weight: 3
Transcript Title: Understanding & Teach Jewish Life
Calendar Title: Understanding and Teaching Jewish Life.
Description:
An exploration of Jewish holidays and life cycle rituals. Emphasis is placed on their historical development and philosophical meaning. Curriculum developed for teaching this material in various Jewish educational frameworks is examined and evaluated.
Symbols: LIMT - Limited enrolment
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 309
Credit Weight: 3
Transcript Title: The Search for World Views
Calendar Title: The Search for World Views.
Description:
An approach to the study of world views including both religious and non-religious perspectives. This course explores humanity's major religious traditions, especially Christianity, Judaism, Islam, Hinduism, Buddhism, Indigenous traditions, and non-religious traditions such as atheism and agnosticism.
Symbols: LIMT - Limited enrolment
CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 318
Credit Weight: 3
Transcript Title: Teaching the Jewish Liturgy
Calendar Title: Teaching the Jewish Liturgy.
Description:
An examination of curriculum developed for teaching prayer and fostering spirituality within Jewish educational frameworks. Excerpts from the liturgy of the Jewish people are studied with an emphasis on the theological, moral, and philosophical issues that they raise.
Notes:
Restriction: Not open to students who have taken EDER 407.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 319
Credit Weight: 3
Transcript Title: Teaching the Holocaust
Calendar Title: Teaching the Holocaust.
Description:
An examination of approaches, strategies, and techniques of teaching the Holocaust, including methodologies for using the Holocaust as a basis for teaching about prejudice, cultural identity, racism, human rights and moral responsibility.
Notes:
Restriction: Not open to students who have taken EDER 421.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 320
Credit Weight: 3
Transcript Title: Visions&Realities of Jewish Ed
Calendar Title: Visions and Realities of Jewish Education.
Description:
A course in the philosophy of Jewish education. Various perspectives on the purpose of Jewish education are explored, and consideration is given to how contemporary Jewish ideologies can be translated into educational forms. Challenges facing Jewish education as it approaches the millennium are examined. Research in Jewish education is evaluated.
Symbols: LIMT - Limited enrolment
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 360
Credit Weight: 2
Transcript Title: Cult&Citzshp:QCContext(K/Elem)
Calendar Title: Culture and Citizenship in Quebec Context (K/Elem).
Description:
Teaching methods and pedagogical resources for programs in ethics and culture in the k/elementary school curriculum.
Notes:
Restriction: Not open to students who have taken EDER 333
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 372
Credit Weight: 3
Transcript Title: Culture&Citzshp:QCContext(Sec)
Calendar Title: Culture and Citizenship in Quebec Context (Secondary).
Description:
Teaching methods and pedagogical resources for programs in ethics and culture in the secondary school.
Symbols: BED3 - Open only to B.Ed. students.
Notes:
Prerequisite: A course in World Religion with a RELG or EDER prefix and a course in Ethics with a PHIL or EDER prefix - refer to B.Ed., Secondary Program advising information.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 395
Credit Weight: 3
Transcript Title: Moral Values and Human Action
Calendar Title: Moral Values and Human Action.
Description:
A philosophical critical inquiry into the relationship between belief and conduct oriented toward the teacher and his/her role in education.
Symbols: LIMT - Limited enrolment
CONC - Education - course could be acceptable in an academic concentration
Notes:
**This course is only for the Office of First Nations and Inuit Education (OFNIE) for getting people to register online.**
**Web add deadline is July 11, 2023.**
**Web drop deadline is July 6, 2023.**

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDER 401

**Credit Weight:** 3

**Transcript Title:** Tch Biblical Lit-Jewish Sch 1

**Calendar Title:** Teaching Biblical Literature - Jewish School 1.

**Description:**
Examination of Biblical passages raising theological, moral, historical, literary, or linguistic challenges, and their interpretation within the rabbinic tradition and modern scholarship. Methodologies for teaching such passages in Jewish studies classrooms are discussed. Some familiarity with Biblical and Rabbinic Hebrew is essential, but most texts are available in English.

**Symbols:** LIMT - Limited enrolment

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDER 461

**Credit Weight:** 3

**Transcript Title:** Society and Change

**Calendar Title:** Society and Change.

**Description:**
Factors influencing patterns of stability and change in major social institutions and the implications for formal and non-formal education.

**Symbols:** LIMT - Limited enrolment

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDER 473

**Credit Weight:** 3

**Transcript Title:** Living with Insight

**Calendar Title:** Living with Insight.

**Description:**
An examination of the moral and spiritual challenges of the modern and post-modern world. Emphasis will also be placed on the role and responsibility of education in meeting these challenges.

**Symbols:** LIMT - Limited enrolment

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDER 494

**Credit Weight:** 3

**Transcript Title:** HumanRights&Ethics in Practice

**Calendar Title:** Human Rights and Ethics in Practice.

**Description:**
Explores contemporary issues in human rights from an educational perspective, focusing on implications for praxis; explores ethical notions, including rights and responsibilities, as applied to contemporary challenges.

**Symbols:**  
LIMT - Limited enrolment  
CONC - Education - course could be acceptable in an academic concentration

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDER 520**
**Credit Weight:** 3  
**Transcript Title:** Issues in Jewish Education  
**Calendar Title:** Issues in Jewish Education.  
**Description:** An exploration of dissenting and complementary perspectives on the purpose of Jewish education. Challenges facing the field of Jewish education are examined. Developments in general education of relevance to Jewish education are considered.  
**Notes:**  
Restriction: Not open to students who have taken 422-320 / EDER 320

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDER 523**
**Credit Weight:** 3  
**Transcript Title:** Teaching Judaism: Bible  
**Calendar Title:** Teaching Judaism: Bible.  
**Description:** A study of selected narrative, poetic and legal portions of the Pentateuch with a view to teaching this material in Jewish schools. An examination of some of the techniques presently used in the teaching of Bible.  
**Notes:**  
Restriction: Not open to students who have taken 422-401 / EDER 401  
Prerequisite: Knowledge of Hebrew, with permission of instructor

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDER 525**
**Credit Weight:** 3  
**Transcript Title:** Teaching Judaism: Holidays  
**Calendar Title:** Teaching Judaism: Holidays.  
**Description:** An exploration of the rituals, customs, values and historical development of Jewish holidays. Methods of applying this material to the Jewish studies classroom are examined.  
**Notes:**  
Winter  
Restriction: Not open to students who have taken 422-250 / EDER 252

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDER 526**
**Credit Weight:** 3  
**Transcript Title:** Teaching Judaism: Liturgy
Calendar Title: Teaching Judaism: Liturgy.
Description:
An exploration of curriculum developed for teaching prayer and fostering spirituality within Jewish educational frameworks. Selected portions of the High Holy Day liturgy are examined with a view to teaching this material in Jewish settings.
Notes:
Restriction: Not open to students who have taken 422-400 / EDER 407
Prerequisite: Knowledge of Hebrew, with permission of instructor.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Inactive

EDER 527
Credit Weight: 3
Transcript Title: Teaching Judaism: Spec Topics
Calendar Title: Teaching Judaism: Special Topics.
Description:
In-depth examination of topics in Jewish education. Content will vary from year to year.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 528
Credit Weight: 3
Transcript Title: Teaching Judaism: The Holocaust
Calendar Title: Teaching Judaism: The Holocaust.
Description:
An exploration of approaches and techniques for the teaching of the Holocaust. Strategies for using Holocaust education as a basis for discussing prejudice and moral responsibility are examined.
Notes:
Fall
Restriction: Not open to students who have taken 422-421 / EDER 421
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 529
Credit Weight: 0
Transcript Title: Hebrew Language Requirement
Calendar Title: Hebrew Language Requirement.
Description:
Demonstrated mastery of the Hebrew language equivalent to JWST 340 (advanced). Must be completed prior to graduation.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Inactive

EDER 536
Credit Weight: 3
Transcript Title: Crit and Ethic Dimen of Sex Ed
Calendar Title: Critical and Ethical Dimensions of Sexualities Education.
Description:
Overview of the recent critical and ethical debates around Canadian sex education.
curricula and instruction. Special focus will be on: the social implications of the developmental category of 'adolescent¿, sexual citizenship, discourses as a tool of moral regulation and discipline, construction of gender, race and class in sex education, and the ways Canadian laws define issues of consent and abuse in relation to youth sexual activity.

Notes:
Restrictions: Not open to students who have taken EDER 636.
Not open to students who have taken EDER 626 when topic was "Critical and Ethical Dimensions of Sexualities Education".

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 600
Credit Weight: 3
Transcript Title: Globalization, Educ. & Change
Calendar Title: Globalization, Education and Change.
Description:
The impact of globalization on educational institutions, processes and practices. Topics may include the politics of change, teachers' work, educational reform, technology, environment, educational management and leadership.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 606
Credit Weight: 3
Transcript Title: Philosophy of Moral Education
Calendar Title: Philosophy of Moral Education.
Description:
A study of principles underlying contemporary moral education such as what constitutes moral values and judgments, normative basis for morality, and differing foundations employed in determining moral norms.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 607
Credit Weight: 3
Transcript Title: Ethics and Values in Education
Calendar Title: Ethics and Values in Education.
Description:
Considers education as a concept and practice influenced by values (ethical, religious, aesthetic, cultural, political, etc.). Includes a critical examination of selected approaches to values education.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 608
Credit Weight: 3
Transcript Title: Educ Implic of Social Theory
Calendar Title: Educational Implications of Social Theory.
Description:
An analysis of some of the educational implications of various social and political theories: liberalism, Marxism and others.

Notes:
Fall

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

**EDER 609**

**Credit Weight:** 3

**Transcript Title:** Educ. & Philosophical Thought

**Calendar Title:** Education and Philosophical Thought.

**Description:**
An analysis of the educational implications of various philosophical positions concerning the nature of reality and the nature of knowledge.

**Notes:**
Fall

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

**EDER 610D1**

**Credit Weight:** 7.5

**Transcript Title:** Internship

**Calendar Title:** Internship.

**Description:**
Supervised fieldwork in a Jewish school or educational institution.

**Symbols:**

**Notes:**

Restriction: Only open to students in M.A. Culture and Values Non-Thesis (Jewish Education Option)

Students must register for both EDER 610D1 and EDER 610D2

No credit will be given for this course unless both EDER 610D1 and EDER 610D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

**EDER 610D2**

**Credit Weight:** 7.5

**Transcript Title:** Internship

**Calendar Title:** Internship.

**Description:**
See EDER 610D1 for course description.

**Symbols:**

**Notes:**

Restriction: Only open to students in M.A. Culture and Values Non-Thesis (Jewish Education Option)

Prerequisite: EDER 610D1

No credit will be given for this course unless both EDER 610D1 and EDER 610D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

EDER 614
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDER 615</td>
<td>Sociology of Education</td>
<td>3</td>
<td>Social context of schooling, including education and social stratification and socialization processes within and outside schools.</td>
</tr>
<tr>
<td>EDER 616</td>
<td>Intro to Philosophy of Education</td>
<td>3</td>
<td>Explores questions, aims, debates and modes of inquiry that characterize philosophical approaches to studying educational questions. Introduces philosophy of education as a distinctive field of educational research and may focus on figures or themes of contemporary interest.</td>
</tr>
<tr>
<td>EDER 617</td>
<td>Individual Reading Course</td>
<td>3</td>
<td>Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.</td>
</tr>
<tr>
<td>EDER 622</td>
<td>Aesthetics and Education</td>
<td>3</td>
<td>An examination and critical analysis of selected readings on the topic of aesthetics, with specific reference to their application to educational practice.</td>
</tr>
<tr>
<td>EDER 622</td>
<td>Studies in Comparative Education</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Comparative study of the economic, political and social aspects of education systems.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 625
Credit Weight: 3
Transcript Title: Special Topics in Ed Studies
Calendar Title: Special Topics in Educational Studies.
Description: Explores important current issues in the field of Educational Studies. (Content varies from year to year.)
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 626
Credit Weight: 3
Transcript Title: Theory & Praxis of Ethics & RelgEd
Calendar Title: Theory and Praxis of Ethics and Religious Education.
Description: Study and critique of contemporary ethics and religious education models with a specific emphasis on Quebec’s Ethics and Religious Culture program. Introduces a variety of theoretical and practical perspectives on the roles religion and ethics play starting from our personal lives to the classroom. Teaching strategies will be discussed and practiced and participants will develop their own understanding of the impact of religious and ethics education.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 633
Credit Weight: 6
Transcript Title: Project 1
Calendar Title: Project 1.
Description: Theoretical or practical project to explore and analyze an area of interest relevant to education and society.
Notes: Fall, Winter
Taken in final semester.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 634
Credit Weight: 6
Transcript Title: Project 2
Calendar Title: Project 2.
Description: Theoretical or practical project to explore and analyze an area of interest relevant to education and society.
Notes:
Fall, Winter
Prerequisite: EDER 633
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 639
Credit Weight: 3
Transcript Title: Education and Development
Calendar Title: Education and Development.
Description:
Theories of development and the contribution of education to political, economic and social change.
Notes:
Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 643
Credit Weight: 3
Transcript Title: Women, Education Development
Calendar Title: Women, Education and Development.
Description:
This course will trace the major theoretical developments in women and development and relate them to educational issues in the formal, non-formal and informal settings. There will be an emphasis on the significance and policy implications of women's education for sustainable developments in the countries of the South.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDER 649
Credit Weight: 3
Transcript Title: Educ: Multicultural Societies
Calendar Title: Education: Multicultural Societies.
Description:
Majority-minority relations and their implications for educational policy and practice.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDES 334
Credit Weight: 3
Transcript Title: Teaching Sec. Social Studies 1
Calendar Title: Teaching Secondary Social Studies 1.
Description:
An examination of Quebec and other secondary school social studies curricula: Objectives; theoretical orientation; course structures; curriculum resources. Teaching and learning methodologies both common to the social studies and specific to the disciplines of history, geography, and economics.
Notes:
Prerequisite: 18 credits of university social science courses at or above the 200 level
Restriction: Not open to students who have taken EDEC 334
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 335
Credit Weight: 3
Transcript Title: Teaching Secondary Science 1
Calendar Title: Teaching Secondary Science 1.
Description:
A survey of the philosophy and curriculum principles behind modern high school courses in the physical and life sciences, especially related to the Quebec context. An examination of teaching methods for junior and senior high school science.
Notes:
Prerequisite: 18 credits of university science courses at or above the 200 level
Restriction: Not open to students who have taken EDEC 335
The course EDES 335 includes a $15 fee covering the cost of printing for the lab manual required by all students registered for the course. The fee is refundable until the end of the add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 350
Credit Weight: 3
Transcript Title: Classroom Practices
Calendar Title: Classroom Practices.
Description:
Competency-based discipline skills and methods of classroom management, emphasizing the relationship between theory and practice; the rationale for various approaches to classroom management; strategies for developing instruction that focus attention and reduce off-task behaviour.
Notes:
Corequisite(s): (EDEC 351 and EDFE 351) or (EDFE 359 and EDSL 315) or (EDEA 442 and EDFE 308)
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 353
Credit Weight: 3
Transcript Title: Teaching Sec. Mathematics 1
Calendar Title: Teaching Secondary Mathematics 1.
Description:
Provides insight and understanding of the Quebec secondary mathematics program. Focuses on key areas of what secondary mathematics teachers need to know and be able to do to support students' development of mathematical understanding (focus on mathematics content, students' reasoning, and pedagogy).

Symbols: NAEL - Not available as an Education elective

Notes:
Prerequisite(s): 18 credits in university mathematics courses at or above the 200 level.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 361
Credit Weight: 3
Transcript Title: Teaching Secondary English 1
Calendar Title: Teaching Secondary English 1.
Description:
Examination of appropriate materials related to the high school English programs; exploration of various techniques of teaching language, literature, writing and dramatics in the secondary school.

Symbols: NAEL - Not available as an Education elective

Notes:
Prerequisites: 18 credits of university ENGL, COMS, or LING courses at or above the 200 level or EDSL 330

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 365
Credit Weight: 3
Transcript Title: Experiences in Communications
Calendar Title: Experiences in Communications.
Description:
Personal development of students as communicators; involvement of the imagination in individual and group projects in language and in another chosen medium of communication: analysis of experiences in projects in relation to general problems of communication.

Notes:
Offered through Continuing Education

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 366
Credit Weight: 3
Transcript Title: Literature for Young Adults
Calendar Title: Literature for Young Adults.
Description:
Selection and use of literature for the differing abilities and interests of high school students.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Notes:

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDES 434
Credit Weight: 3
Transcript Title: Teaching Sec. Social Studies 2
Calendar Title: Teaching Secondary Social Studies 2.
Description:
This course will examine the nature, content, and methodology of social studies education in the secondary school.
Notes:
Prerequisite: EDES 334
Restriction: Not open to students who have taken EDES 389
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 435
Credit Weight: 3
Transcript Title: Teaching Secondary Science 2
Calendar Title: Teaching Secondary Science 2.
Description:
Principles and procedures for implementation of the general science curriculum in the secondary schools of Québec. A survey of teaching methods and laboratory management appropriate to the junior and senior high school level.
Notes:
Prerequisite: EDES 335
Restriction: Not open to students who have taken EDES 370
The course EDES 435 includes a $15 fee covering the cost of printing for the lab manual required by all students registered for the course. The fee is refundable until the end of the add/drop period.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 453
Credit Weight: 3
Transcript Title: Teaching Sec. Mathematics 2
Calendar Title: Teaching Secondary Mathematics 2.
Description:
This course supplements EDES 353 for students who select Mathematics as a single teachable subject. Evaluation of learning in Mathematics, obstacles to learning, technological aids to learning.
Notes:
Prerequisite: EDES 353
Restriction: Not open to students who have taken EDEC 338
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDES 461
Credit Weight: 3
Transcript Title: Teaching Secondary English 2
Calendar Title: Teaching Secondary English 2.
Description:
Advanced inquiry into special interest areas in the teaching of Secondary English Language Arts in light of contemporary theory and research. Parts of this course may be undertaken in school settings.
**Notes:**
Prerequisite: EDES 361
Restriction: Open to B.Ed. Secondary students having English as a teaching option
**Administering Faculty:** Faculty of Education
**Teaching Department:** Integrated Studies in Ed
**Status (catalog level):** Active
EDFC 497
Credit Weight: 3
Transcript Title: Individual Research Project
Calendar Title: Individual Research Project.
Description:
Supervised individual research project on an approved subject.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active
EDFE 200

Credit Weight: 2
Transcript Title: First Field Exp. (K/Elem & Sec)
Calendar Title: First Field Experience (K/Elem and Secondary).
Description:
Students are assigned to a school for a "participant observer" field experience. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships & Student Affairs website at http://www.mcgill.ca/isa.

Notes:
Corequisite: EDEC 201
Restriction: Open to B.Ed. Secondary and B.Ed. K/Elem. students
Administering Faculty: Faculty of Education
Teaching Department: Education – Dean's Office
Status (catalog level): Active

EDFE 205

Credit Weight: 2
Transcript Title: First Field Exp. (Music)
Calendar Title: First Field Experience (Music).
Description:
Students are assigned to a school for a "participant observer" field experience. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at http://www.mcgill.ca/isa.

Notes:
Corequisite: EDEA 206
Administering Faculty: Faculty of Education
Teaching Department: Education – Dean's Office
Status (catalog level): Active

EDFE 208

Credit Weight: 3
Transcript Title: Second Field Exp. (Music)
Calendar Title: Second Field Experience (Music).
Description:
Supervised student teaching in a school. Students are expected to apprise themselves of Field Experience, dates, duration and responsibilities as outlined on the Internships and Student Affairs website at http://www.mcgill.ca/isa.

Notes:
Prerequisite: EDFE 205.
Restrictions: Students in B.Ed. in Music and concurrent B.Ed./B.Mus. Not open to students who have taken EDFE 207.
Note: Expectations for this field experience can be found at www.mcgill.ca/isa.
Administering Faculty: Faculty of Education
Teaching Department: Education – Dean's Office
Status (catalog level): Active

EDFE 208D1

Credit Weight: 1.5
Transcript Title: Second Field Exp. (Music)
Calendar Title: Second Field Experience (Music).
Description:
Supervised student teaching in a school. Students are expected to apprise themselves of Field Experience, dates, duration and responsibilities as outlined on the Internships and Student Affairs website at http://www.mcgill.ca/isa.

Notes:
EDFE 208D2
Credit Weight: 1.5
Transcript Title: Second Field Exp. (Music)
Calendar Title: Second Field Experience (Music).
Description: See EDFE 208D1 for course description.
Notes: Prerequisite: EDFE 208D1.
No credit will be given for this course unless both EDFE 208D1 and EDFE 208D2 are successfully completed in consecutive terms.
EDFE 208D1 and EDFE 208D2 together are equivalent to EDFE 208.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 209
Credit Weight: 2
Transcript Title: First Field Exp. (TESL)
Calendar Title: First Field Experience (TESL).
Description: Students are assigned to a school for a "participant observer" field experience. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at http://www.mcgill.ca/isa.
Notes: Prerequisite: EDSL 300.
Corequisite: EDSL 210
Restriction: Open to B.Ed. Teaching English as a Second Language (TESL) students.
Note: Expectations for this field experience can be found at www.mcgill.ca/isa.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 210
Credit Weight: 3
Transcript Title: Middle School Practicum
Calendar Title: Middle School Practicum.
Description: Supervised practice to provide classroom teaching experience in the middle school context designed to prepare individuals to teach effectively at this level; seminars where participants discuss how best to respond to the social and emotional issues their students face.
Notes: Prerequisite: At least 24 credits in the program must have been completed
Administering Faculty: School of Continuing Studies
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 214
Credit Weight: 3
Transcript Title: Aborig Education Practicum 1
Calendar Title: Aboriginal Education Practicum 1.
Description: Observation and limited teaching in an elementary school.
Notes: Restrictions: Not open to students who have taken EDFE 444. Open to students registered in the Certificate in Education for First Nations and Inuit.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 246
Credit Weight: 3
Transcript Title: First Field Exp. (Phys Ed)
Calendar Title: First Field Experience (Physical Education).
Description: Supervised student teaching in Physical Education in an elementary school. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at http://www.mcgill.ca/isa
Notes: Prerequisite: EDKP 342
Restriction: Open to B.Ed. Physical and Health Education students
Note: Expectations for this field experience can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 254
Credit Weight: 3
Transcript Title: Second Field Exp. (Sec)
Calendar Title: Second Field Experience (Secondary).
Description: Supervised student teaching. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes: Prerequisite: EDFE 200 or EDFE 209 or EDFE 246 or EDFE 205
Corequisite: EDEC 254 or EDEC 254D1
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 254D1
Credit Weight: 1.5
Transcript Title: Second Field Exp. (Sec)
Calendar Title: Second Field Experience (Secondary).
Description: Supervised student teaching. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes: Prerequisite: EDFE 200 or EDFE 209 or EDFE 246 or EDFE 205
Corequisite: EDEC 254 or EDEC 254D1
Students must register for both EDFE 254D1 and EDFE 254D2
No credit will be given for this course unless both EDFE 254D1 and EDFE 254D2 are successfully completed in consecutive terms
EDFE 254D1 and EDFE 254D2 together are equivalent to EDFE 254
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 254D2
Credit Weight: 1.5
Transcript Title: Second Field Exp. (Sec)
Calendar Title: Second Field Experience (Secondary).
Description: See EDFE 254D1 for course description.
Notes: Prerequisite: EDFE 254D1
No credit will be given for this course unless both EDFE 254D1 and EDFE 254D2 are successfully completed in consecutive terms
EDFE 254D1 and EDFE 254D2 together are equivalent to EDFE 254
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 255
Credit Weight: 3
Transcript Title: Second Field Exp. (TESL)
Calendar Title: Second Field Experience (TESL).
Description: Supervised student teaching. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes: Prerequisite: (EDSL 210 and EDFE 209) or EDFE 200 or EDFE 246 or EDFE 205
Corequisite: EDSL 255 or EDSL 255D2 or EDSL 254
Restrictions: Open only to B.Ed. TESL students. Not open to students who have taken or are taking EDFE 259.
Note: Expectations for this field experience, according to your program, can be
found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 255D1
Credit Weight: 1.5
Transcript Title: Second Field Exp. (TESL)
Calendar Title: Second Field Experience (TESL).
Description:
Supervised student teaching. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes:
Prerequisite: (EDSL 210 and EDFE 209) or EDFE 200 or EDFE 246 or EDFE 205
Corequisite: EDSL 255 or EDSL 255D2 or EDSL 254
Restrictions: Open only to B.Ed. TESL students. Not open to students who have taken or are taking EDFE 259.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.
Students must register for both EDFE 255D1 and EDFE 255D2
No credit will be given for this course unless both EDFE 255D1 and EDFE 255D2 are successfully completed in consecutive terms
EDFE 255D1 and EDFE 255D2 together are equivalent to EDFE 255

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 255D2
Credit Weight: 1.5
Transcript Title: Second Field Exp. (TESL)
Calendar Title: Second Field Experience (TESL).
Description:
See EDFE 255D1 for course description.
Notes:
Prerequisite: EDFE 255D1
No credit will be given for this course unless both EDFE 255D1 and EDFE 255D2 are successfully completed in consecutive terms
EDFE 255D1 and EDFE 255D2 together are equivalent to EDFE 255

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 256
Credit Weight: 3
Transcript Title: Second Field Exp. (Kind/Elem)
Calendar Title: Second Field Experience (Kindergarten/Elementary).
Description:
Supervised student teaching. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes:
Prerequisite: EDFE 200 or EDFE 209 or EDFE 246 or EDFE 205
Corequisite: EDEC 253
Restrictions: B.Ed. (K/Elementary) students. Not open to students who have taken EDFE 253.
Note: Expectations for this field experience, according to your program, can be
found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 256D1
Credit Weight: 1.5
Transcript Title: Second Field Exp. (Kind/Elem)
Calendar Title: Second Field Experience (Kindergarten/Elementary).
Description:
Supervised student teaching. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes:
Prerequisite: EDFE 200 or EDFE 209 or EDFE 246 or EDFE 205
Corequisites: EDEC 253D1/D2, EDEE 223, 250, 275, 282, 332
Students must register for both EDFE 256D1 and EDFE 256D2.
No credit will be given for this course unless both EDFE 256D1 and EDFE 256D2 are successfully completed in consecutive terms
EDFE 256D1 and EDFE 256D2 together are equivalent to EDFE 256.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 256D2
Credit Weight: 1.5
Transcript Title: Second Field Exp. (Kind/Elem)
Calendar Title: Second Field Experience (Kindergarten/Elementary).
Description:
See EDFE 256D1 for course description.
Notes:
Prerequisite: EDFE 256D1
No credit will be given for this course unless both EDFE 256D1 and EDFE 256D2 are successfully completed in consecutive terms
EDFE 256D1 and EDFE 256D2 together are equivalent to EDFE 256

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 300
Credit Weight: 5
Transcript Title: Indigenous Ed. Field Exp.
Calendar Title: Indigenous Education Field Experience.
Description:
Supervised student teaching of designated subject areas for a minimum of 35 days in an Indigenous elementary school, assuming more responsibility for student learning, classroom management, and formative and summative evaluations.
Notes:
Prerequisites: EDFE 200, EDFE 256, EDEC 201, and EDEC 253
Restriction: Open to students in the Certificate in Education for First Nations and Inuit

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active
EDFE 306
Credit Weight: 8
Transcript Title: Third Field Exp. (Kind/Elem)
Calendar Title: Third Field Experience (Kindergarten/Elementary).
Description: Supervised student teaching in a school. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes: Prerequisites: EDEE 275, EDEE 223, EDEE 250, EDEE 282, EDEC 215, (EDFE 256 or EDFE 256D1/D2), (EDEC 253 or EDEC 253D1/D2).
Corequisites: EDEE 353, EDEE 355.
Restrictions: B.Ed. (K/Elementary) students. Not open to students who have taken EDFE 303.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 308
Credit Weight: 8
Transcript Title: Third Field Exp. (Music)
Calendar Title: Third Field Experience (Music).
Description: Supervised student teaching in a school. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes: Prerequisites: EDEC 215, EDFE 208.
Restrictions: Students in B.Ed. in Music and concurrent B.Ed./B.Mus. Not open to students who have taken EDFE 305.
Note: Expectations for this field experience, according to your program can be found at www.mcgill.ca/isa.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 325
Credit Weight: 3
Transcript Title: Aborig Education Practicum 2
Calendar Title: Aboriginal Education Practicum 2.
Description: Supervised teaching of designated subject areas in an elementary school.
Notes: Restrictions: Not open to students who have taken EDFE 422. Open to students registered in the Certificate in Education for First Nations and Inuit.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 326
Credit Weight: 3
Transcript Title: Aborig Education Practicum 3
Calendar Title: Aboriginal Education Practicum 3.
Description:
Supervised teaching of designated subject areas for a specific number of weeks in an elementary school, including assuming more responsibility for student learning, classroom management and formative and summative evaluation.

Notes:
Restrictions: Not open to students who have taken EDFE 423. Open to students registered in the Certificate in Education for First Nations and Inuit.

Administering Faculty: Faculty of Education
Teaching Department: Education – Dean's Office
Status (catalog level): Active

EDFE 351
Credit Weight: 8
Transcript Title: Third Field Exp. (Sec)
Calendar Title: Third Field Experience (Secondary).
Description:
Supervised student teaching in a school. Students are expected to apprise themselves of Field Experience, dates, duration and responsibilities as outlined on the Internships & Student Affairs Office website http://www.mcgill.ca/isa.

Notes:
Prerequisites: EDEC 215, (EDFE 254 or EDFE 254D1/D2), (EDEC 254 or EDEC 254D1/D2), (EDES 334 or EDES 335 or EDES 353 or EDES 361).
Corequisites: EDEC 351, EDES 350.
Restriction: Students must have completed a minimum of 24 credits in their teachable subject area with grades of C or higher, as well as the corresponding first level methods course (i.e. EDES 334, 335, 353 or 361) with a grade of C or higher.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education – Dean's Office
Status (catalog level): Active

EDFE 359
Credit Weight: 8
Transcript Title: Third Field Exp. (TESL)
Calendar Title: Third Field Experience (TESL).
Description:
Supervised student teaching in a school. Students are expected to apprise themselves of Field Experience, dates, duration and responsibilities as outlined on the Internships & Student Affairs Office website http://www.mcgill.ca/isa.

Notes:
Prerequisites: EDEC 215, (EDSL 254 or EDSL 255D1, EDSL 255D2 or EDSL 259D1, EDSL 259D2), (EDFE 255 or EDFE 259 or EDFE 259D1, EDFE 259D2).
Corequisites: EDSL 315
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education – Dean's Office
Status (catalog level): Active

EDFE 373
Credit Weight: 3
Transcript Title: Second Field Exp. (Phys Ed)
Calendar Title: Second Field Experience (Physical Education).
Description:
Supervised student teaching in physical education in a secondary school. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.

Notes:
Prerequisite: EDFE 246
Restriction: Open to B.Ed. Phys. Ed. students.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 380
Credit Weight: 7
Transcript Title: Third Field Exp. (Phys Ed)
Calendar Title: Third Field Experience (Physical Education).
Description: Supervised student teaching physical education in a school. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes:
Prerequisites: EDFE 373, EDEC 215.
Corequisite: EDKP 307.
Restriction: Only open to B.Ed. Physical and Health Education students.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 406
Credit Weight: 7
Transcript Title: Fourth Field Exp. (K/Elem)
Calendar Title: Fourth Field Experience (K/Elem).
Description: Supervised student teaching in a school. Students will be expected to assume a much increased responsibility for student learning, classroom management, and evaluation. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.
Notes:
Prerequisite: EDEE 223, EDEE 332, EDEE 275, EDEE 282, EDFE 303 or EDFE 306.
Corequisite: EDEC 405
Restriction: Restricted to B.Ed. (K/Elem) students.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 407
Credit Weight: 7
Transcript Title: Fourth Field Exp. (Music)
Calendar Title: Fourth Field Experience (Music).
Description:
Supervised student teaching in a school. Students will be expected to assume a much increased responsibility for student learning, classroom management, and evaluation. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa

Notes:
Prerequisite: EDFE 308 or EDFE 305.
Corequisite: EDEA 407.
Restriction: Students in B.Ed. in Music and the Concurrent B.Ed./B.Mus.
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 425
Credit Weight: 3
Transcript Title: Aborig Education Practicum 4
Calendar Title: Aboriginal Education Practicum 4.
Description:
Teaching and classroom management skills at the elementary and secondary levels.

Notes:
Restrictions: Not open to students who have taken EDFE 394. Open to students registered in the Certificate in Education for First Nations and Inuit.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 451
Credit Weight: 7
Transcript Title: Fourth Field Exp. (Sec)
Calendar Title: Fourth Field Experience (Secondary).
Description:
Supervised student teaching in a school. Students will be expected to assume a much increased responsibility for student learning, classroom management, and evaluation. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.

Notes:
Prerequisites: EDFE 351.
Corequisite: EDEC 404.
Restriction: Open to B.Ed. Secondary students only
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 459
Credit Weight: 7
Transcript Title: Fourth Field Exp (TESL)
Calendar Title: Fourth Field Experience (TESL).
Description:
Supervised student teaching in a school. Students will be expected to assume a much increased responsibility for student learning, classroom management, and
evaluation. Students are expected to apprise themselves of Field Experience dates, duration and responsibilities as outlined on the Internships and Student Affairs website at www.mcgill.ca/isa.

Notes:
Prerequisites: EDSL 315 and EDFE 359
Corequisites: EDSL 415 and EDSL 458
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFE 480
Credit Weight: 7
Transcript Title: Fourth Field Exp. (Phys Ed)
Calendar Title: Fourth Field Experience (Physical Education).
Description:
A minimum of 35 days of supervised teaching Physical Education in a school.
Notes:
Prerequisite: EDFE 380
Corequisite: EDKP 442.
Restriction: Only open to B.Ed. Physical Education students
Note: Expectations for this field experience, according to your program, can be found at www.mcgill.ca/isa.

Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active
EDFM 260
Credit Weight: 1
Transcript Title: Stage de familiarisation
Calendar Title: Stage de familiarisation.
Description:
Notes:
Restriction: Not open to students who have taken UdeM: EDU 1006 or EDFE 260
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFM 361
Credit Weight: 7
Transcript Title: Stage d'enseignement 1
Calendar Title: Stage d'enseignement 1.
Description:
Notes:
Prerequisites: EDSL 260, EDFE 261.
Corequisites: EDSL 391 or EDUM 391, and EDSL 394 or EDUM 394.
Restriction: Not open to students who have taken UdeM: EDU 3006 or EDFE 361
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDFM 460
Credit Weight: 9
Transcript Title: Stage d'enseignement 2
Calendar Title: Stage d'enseignement 2.
Description:
Notes:
Prerequisites: EDSL 402 or EDUM 402, and EDFE 361 or EDFM 361
Corequisites: EDSL 498 or EDUM 498, and EDSL 499 or EDUM 499
Restriction: Not open to students who have taken UdeM: EDU 4006 or EDFE 460
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active
EDGC 200
Credit Weight: 3
Transcript Title: Knowledge through the Arts
Calendar Title: Knowledge through the Arts.
Description:
Exploration of attributes of a critical-creative educational culture, individual, and community, alongside the interrelationships between epistemology, communication technology/internet/social media, the arts, global citizenship and formal/informal communities.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 201
Credit Weight: 3
Transcript Title: Learning & Knowledge Approaches
Calendar Title: Media, Learning, and Digital Youth Cultures.
Description:
Exploration and application of a diversity of literacy practices that support a critical ¿reading¿ of the world. Introduction of the interdisciplinary field of diverse knowledge approaches, digital media, and learning, focusing on how digital media are changing the youth¿s learning lives and approaches to knowledge across countries and contexts, and the very movements of contemporary culture.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 222
Credit Weight: 3
Transcript Title: Integrating Arts into STEM
Calendar Title: Integrating Arts into STEM.
Description:
Investigates connections between the arts and STEM disciplines (Science, Technology, Engineering, Mathematics). Includes historical perspectives, and emphasis on ways of thinking that cut across the arts and STEM, such as design-based thinking.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 233
Credit Weight: 3
Transcript Title: Learning in Out-of-Sch Cntxts
Calendar Title: Learning in Out-of-School Contexts.
Description:
Investigates children's learning in non-academic contexts, for example museums, families, sports. Includes study of the funds of knowledge that students bring from home that can be leveraged in school settings. Explores learning in culturally specific contexts, focusing on the ways in which disciplinary thinking is culturally situated.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 244
Credit Weight: 3
Transcript Title: Invest. Children's Reasoning
Calendar Title: Investigating Children's Reasoning.
Description:
Young children's thinking, how to assess children's thinking through interviews, and how to interpret and analyze children's work. Typical conceptions children have about ideas in math, science, and other disciplines.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 299
Credit Weight: 3
Transcript Title: Research Methods
Calendar Title: Research Methods.
Description:
Introduction to research methods in the field of education. The scientific study of educational theory and the variety of research methodologies in social science.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 300
Credit Weight: 3
Transcript Title: Special Topics
Calendar Title: Special Topics.
Description:
Selected topics in education in global contexts.
Notes:
Topics vary.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 301
Credit Weight: 3
Transcript Title: Program Design and Evaluation
Calendar Title: Program Design and Evaluation.
Description:
Development and design of programs and curricula; exploration of current models of assessment and evaluation as applied to the educational context.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 312
Credit Weight: 3
Transcript Title: Understanding Tch. Leadership
Calendar Title: Understanding Teacher Leadership.
Description:
Promotes understanding of education standards and self as a leader. Existing literature and research base for teacher leadership. Explores the leadership behaviours and mindsets that positively impact learning within a school environment. Focuses on building learning communities. Teacher leadership skills, effective instructional strategies, and the development of reflective practitioners within a collaborative culture. Emphasis is placed on concepts and procedures for creating and sustaining instructional teams, designed to support systemic inquiry and school improvement.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 313
Credit Weight: 3
Transcript Title: Cultivating Proc of Social Tran.
Calendar Title: Cultivating Process of Social Transformation.
Description: Investigates, critically analyzes, and compares different efforts to cultivate social change: activism and social movements; collaboratives and collective impact processes; organizational and workplace change initiatives; policy and institutional change processes; and knowledge-to-action strategies.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 324
Credit Weight: 3
Transcript Title: Physl Health&Wellbeing in Educ
Calendar Title: Physical Health and Wellbeing in Education.
Description: Explores various issues related to physical health and wellbeing in educational contexts. Addresses the physiological needs of children and youth, as well as issues and challenges related to mental health and wellbeing. The readings and specific topics addressed are multidisciplinary, and assignments explore traditional as well as alternative learning approaches and environments in the 21st century.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 335
Credit Weight: 3
Transcript Title: Eco-Justice & Sustain. in Educ
Calendar Title: Eco-Justice and Sustainability in Education.
Description: Considers the importance of the tenets of education for sustainable development through practical and theoretical means. Components will take place off-site (i.e., at an outdoor centre or at an alternative setting); exploration of how to integrate holistically cultural, economic and financial components for sustainable living and being. The role of education in eco-justice and sustainability will be the focus.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 336
Credit Weight: 3
Transcript Title: Race,Class,&Powr:Ed:GlobCntxts
Calendar Title: Race, Class, and Power in Education in Global Contexts.
Description: Explores ways in which race, class, and power can impact educational outcomes, with specific emphasis on the role of these in the systemic reproduction of educational and societal inequalities.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 337
Credit Weight: 3
Transcript Title: Gendered Ident., Socl Learning
Calendar Title: Gendered Identities, Social Learning.
Description:
Explores the impact of gender identity on teaching and learning, in both formal and non-formal learning contexts.
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 348
Credit Weight: 3
Transcript Title: Global Persp of EarlyChildEduc
Calendar Title: Global Perspectives of Early Childhood Education.
Description:
Explores international perspectives of early childhood care and educational thinking, emanating from the UN Convention of the Rights of the Child. Value-principles relating to early childhood education (i.e., human rights, democracy, professionalism, culture, ethical responsibilities and the value of play), with investigations into educational models and research studies on young children from communities around the world. How schools for young children reflect and affect philosophies of early learning, social patterns and beliefs. Issues, policies and objectives reflecting global perspectives of the image of the whole child will be analyzed with respect to theories of universal early childhood education.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 398
Credit Weight: 0
Transcript Title: Intern:Educ in Global Contexts
Calendar Title: Internship: Education in Global Contexts.
Description:
Internship with an approved host institution or organization, with a focus on education in global contexts.
Notes:
Prerequisite: EDGC 299
Restrictions: Only open to U2 students enrolled in the B.A. (Education); Major in Education in Global Contexts.
Finding an internship is the responsibility of the student and facilitated by the Faculty's Internships and Student Affairs (ISA) Office.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDGC 399
Credit Weight: 3
Transcript Title: Internship Capstone
Calendar Title: Internship Capstone.
Description:
Internship with an approved host institution or organization in education in
global contexts.

Notes:
Prerequisite: EDGC 398
Excludes formal classroom teaching. Not approved for EDFE course credit.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 400
Credit Weight: 3
Transcript Title: 21st Century Learning
Calendar Title: 21st Century Learning.
Description:
21st Century Learning that shifts education away from learning as a
cognitive/rational endeavour focused on reproduction of content knowledge, and
toward learning as a life-long process. Contemporary learning in seven areas: 1) make
learning and learner engagement central; 2) learning is social and often
collaborative; 3) be attuned to learners¿ motivations and emotions; 4) be
sensitive to individual differences including prior knowledge; 5) be demanding for
each learner but without excessive overload; 6) recognize assessment as critical,
but with strong emphasis on formative feedback; 7) promote horizontal
connectedness across activities and subjects, in and out of school.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 411
Credit Weight: 3
Transcript Title: Affect, Educ, & Social Change
Calendar Title: Affect, Education, and Social Change.
Description:
Social and cultural theory in education research on the role of moving, human
bodies in learning and literacy; critiquing politics of emotion that overvalue the
role of ¿reason¿ in schooling; and investigating the ¿felt¿ in human life that
creates atmospheres of learning and social change and affects our capacities for
agency and belonging across cultures. Introduction to affect theory to
conceptualize and analyze connections to learning and education through movements
in educational studies. A central focus is affect as it relates to mobilizing
human bodies toward collective and transformative social action and learning
across local and global scales.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDGC 412
Credit Weight: 3
Transcript Title: HistclKnowl:ToolforAgtsofChng
Calendar Title: Historical Knowledge: Tool for Agents of Change.
Description:
Workings of historical consciousness in educational practitioners¿ sense of
knowing and doing as professionals. Historical consciousness and accounting for
how historical knowledge impacts worldviews and consequent intentions for bringing
about change in the world. Explores key authors who have defined historical
consciousness, and the impact of their ideas on teaching and conducting research
in the social sciences, with a particular focus on education.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

**EDGC 423**

**Credit Weight:** 3  
**Transcript Title:** Human Knowledge Claims & Educ.  
**Calendar Title:** Human Knowledge Claims and Education.  
**Description:** Introduction to the evolving attitudes of the sciences and social sciences to knowledge, and how such emerging claims impact education in terms of teaching and research. Specific focus on the different methods that can be employed for understanding both the physical and human world, with particular attention on the consequences of such approaches on knowing and acting in social reality. Opportunity to develop research and teaching designs for today’s globalized world.  
**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDGC 444**

**Credit Weight:** 3  
**Transcript Title:** CritCntxts of YouthDev&Wellbg  
**Calendar Title:** Critical Contexts of Youth Development and Wellbeing.  
**Description:** Critically examines the social, economic, institutional and political contexts shaping diverse developmental trajectories among children and youth.  
**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active

**EDGC 499**

**Credit Weight:** 3  
**Transcript Title:** Critical Research Inquiry  
**Calendar Title:** Critical Research Inquiry.  
**Description:** Explores critical research inquiry from a theoretical and practical perspective; further exploration of research implications stemming from the internship project.  
**Notes:** Prerequisite: EDGC 399  
**Administering Faculty:** Faculty of Education  
**Teaching Department:** Integrated Studies in Ed  
**Status (catalog level):** Active
EDIN 601
Credit Weight: 9
Transcript Title: Internship 1
Calendar Title: Internship 1.
Description:
Mentored student teaching in a school requiring a gradual increase in teaching and related duties. Students are expected to apprise themselves of internship dates, workload percentages and responsibilities at www.mcgill.ca/isa. Includes a 2-credit (26 hour) concurrent professional seminar providing support, developing reflexive thinking, examining classroom situations with a view to improving practice, including classroom management, and developing teacher collaboration and community-building. Practical implications of capstone research projects are developed. Artefacts are selected/contextualized for inclusion in e-portfolios. Professional Competencies are addressed, developed and assessed. Students must pass both the 'mentored student teaching' and the 'professional seminar' components to pass the course.
Notes:
Prerequisites: EDPS 600, EDTL 515, EDTL 601
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDIN 601D1
Credit Weight: 4.5
Transcript Title: Internship 1
Calendar Title: Internship 1.
Description:
Mentored student teaching in a school requiring a gradual increase in teaching and related duties. Students are expected to apprise themselves of internship dates, workload percentages and responsibilities at www.mcgill.ca/isa. Includes a 2-credit (26 hour) concurrent professional seminar providing support, developing reflexive thinking, examining classroom situations with a view to improving practice, including classroom management, and developing teacher collaboration and community-building. Practical implications of capstone research projects are developed. Artefacts are selected/contextualized for inclusion in e-portfolios. Professional Competencies are addressed, developed and assessed. Students must pass both the 'mentored student teaching' and the 'professional seminar' components to pass the course.
Notes:
Prerequisites: EDPS 600, EDTL 515, EDTL 601
No credit will be given for this course unless both EDIN 601D1 and EDIN 601D2 are successfully completed in consecutive terms
EDIN 601D1 and EDIN 601D2 together are equivalent to EDIN 601
Students must register for both EDIN 601D1 and EDIN 601D2
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDIN 601D2
Credit Weight: 4.5
Transcript Title: Internship 1
Calendar Title: Internship 1.
Description:
See EDIN 601D1 for course description.
Notes:
Prerequisite: EDIN 601D1
No credit will be given for this course unless both EDIN 601D1 and EDIN 601D2 are
successfully completed in consecutive terms
EDIN 601D1 and EDIN 601D2 together are equivalent to EDIN 601

Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDIN 602
Credit Weight: 10
Transcript Title: Internship 2
Calendar Title: Internship 2.
Description:
Mentored student teaching in a school requiring full responsibility for lesson planning, student learning, classroom management, and evaluation. Students are expected to apprise themselves of internship dates, workload percentages and responsibilities at www.mcgill.ca/isa. Includes 2-credit concurrent professional seminar providing support/discussion of professional and ethical considerations during internship and as novice teachers. Capstone research projects (CPRs) are completed and presented in a professional conference context. Artefacts are selected and refined for inclusion in completed e-portfolios. Professional Competencies are developed and assessed. Students must pass both 'mentored student teaching' and 'professional seminar' components, including CRP presentation, to pass the course.

Notes:
Prerequisite(s): EDIN 601 or EDIN 601D1/D2, EDTL 604, EDEM 690
Corequisite(s): EDTL 626 OR EDTL 628 OR EDTL 630 OR EDTL 612 OR EDTL 634 OR EDTL 636
Range of hours will be determined based on performance in EDIN 601.

Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDIN 602D1
Credit Weight: 5
Transcript Title: Internship 2
Calendar Title: Internship 2.
Description:
Mentored student teaching in a school requiring full responsibility for lesson planning, student learning, classroom management, and evaluation. Students are expected to apprise themselves of internship dates, workload percentages and responsibilities at www.mcgill.ca/isa. Includes 2-credit concurrent professional seminar providing support/discussion of professional and ethical considerations during internship and as novice teachers. Capstone research projects (CPRs) are completed and presented in a professional conference context. Artefacts are selected and refined for inclusion in completed e-portfolios. Professional Competencies are developed and assessed. Students must pass both 'mentored student teaching' and 'professional seminar' components, including CRP presentation, to pass the course.

Notes:
Prerequisite(s): EDIN 601 or EDIN 601D1/D2, EDTL 604, EDEM 690
Students must register for both EDIN 602D1 and EDIN 602D2
No credit will be given for this course unless both EDIN 602D1 and EDIN 602D2 are successfully completed in consecutive terms
EDIN 602D1 and EDIN 602D2 together are equivalent to EDIN 602

Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDIN 602D2
Credit Weight: 5
Transcript Title: Internship 2
Calendar Title: Internship 2.
Description: See EDIN 602D1 for course description.
Notes:
Prerequisite: EDIN 602D1
No credit will be given for this course unless both EDIN 602D1 and EDIN 602D2 are successfully completed in consecutive terms
EDIN 602D1 and EDIN 602D2 together are equivalent to EDIN 602
Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDIN 610
Credit Weight: 7
Transcript Title: Internship 1
Calendar Title: Internship 1.
Description: Mentored student teaching in a school requiring a gradual increase in teaching and related duties.
Notes:
Prerequisite(s): EDTL 601, EDTL 515
Corequisite(s): EDPS 610
Restriction(s): Not open to students who have taken EDIN 601.
Students are expected to apprise themselves of internship dates, workload percentages, and responsibilities at www.mcgill.ca/isa. Normally students must pass both EDIN 610 and EDPS 610, failure in a course may necessitate repeating both courses.
Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDIN 620
Credit Weight: 8
Transcript Title: Internship 2.
Calendar Title: Internship 2.
Description: Mentored student teaching in a school requiring full responsibilities for lesson planning, student learning, classroom management, and evaluation.
Notes:
Prerequisite(s): EDIN 610 and EDTL 604 and EDTL 640
Corequisite(s): EDTL 612 or EDTL 626 or EDTL 628 or EDTL 630 or EDTL 634 or EDTL 636
Restriction(s): Not open to students who have taken EDIN 602.
Students are expected to apprise themselves of internship dates, workload percentages and responsibilities at www.mcgill.ca/isa. Normally students must pass both EDIN 620 and EDPS 620, failure in a course may necessitate repeating both courses.
Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDKP 100
Credit Weight: 3
Transcript Title: Introduction to P&HE in Quebec
Calendar Title: Introduction to Physical and Health Education in Quebec.
Description:
This course will place physical and health education into the Quebec context. Relationships between academic course work and physical activity course offerings will be made to clearly link research and teaching practice.
Notes:
Restriction(s): Restricted to U1 B.Ed. in Physical and Health Education students only.
Restriction(s): Not open to students who have taken EDKP 226 and EDKP 394.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 204
Credit Weight: 3
Transcript Title: Health Education
Calendar Title: Health Education.
Description:
A study of the teacher's role in the total school health program at both elementary and high school levels; current issues in contemporary health education.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 206
Credit Weight: 3
Transcript Title: Biomechanics of Human Movement
Calendar Title: Biomechanics of Human Movement.
Description:
Analysis of fundamental human movement and the kinematic concepts which underlie each: Stability, agility, walking, running, jumping, throwing, absorbing forces, striking, kicking, spinning, twisting, aquatics and work positions.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Prerequisite: PHYS 101 OR PHYS 131
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 208
Credit Weight: 3
Transcript Title: Biomechanics & Motor Learning
Calendar Title: Biomechanics and Motor Learning.
Description:
Nature and mechanical function of human movement in sport, dance, physical recreation and adapted movement activities.
Notes:
Prerequisite: EDKP 293.
Restriction: Not open to students who have taken EDKP 206.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 213
Credit Weight: 1
Transcript Title: Aquatics.
Calendar Title: Aquatics.
Description: Acquisition of skills and techniques in aquatics.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 214
Credit Weight: 2
Transcript Title: Basketball
Calendar Title: Basketball.
Description: Acquisition of skills and techniques in basketball from a curriculum model approach.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 215
Credit Weight: 0
Transcript Title: Standard First Aid/CPR Level C
Calendar Title: Standard First Aid/Cardio-Pulmonary Resuscitation Level C.
Description: Students are expected to take, on their own in their final year of study, Standard Level Safety First Aid/Cardio-Pulmonary Resuscitation Level "C" course and submit proof of certification to the Department of Kinesiology and Physical Education. Anyone who fails to submit valid proof of certification will not be granted a degree.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Inactive

EDKP 217
Credit Weight: 3
Transcript Title: Track and Field
Calendar Title: Track and Field.
Description: Using track and field to address a variety of progressions of learning that are included at all levels of, and in relation to, the Quebec Physical Education Curriculum. The Sport Education model will be utilized to stress the transferability of the sport-specific skills needed to engage in track and field.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 218
Credit Weight: 2
Transcript Title: Volleyball
Calendar Title: Volleyball.
Description: Acquisition of skills and techniques in volleyball from a curriculum model
approach.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Kinesiology and Physical Ed  
**Status (catalog level):** Active

**EDKP 219**  
**Credit Weight:** 1  
**Transcript Title:** Healthy Lifestyle Activity  
**Calendar Title:** Healthy Lifestyle Activity.  
**Description:**  
An introduction to activities designed to meet personal needs and self-management skills necessary to adopt healthy lifestyles. Emphasis is on activities that foster mind-body connections, aerobic fitness, muscular tone, balance, and range of motion. Activities may include yoga, tai-chi, pilates, aerobics, walking, in-line skating, and cycling.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Kinesiology and Physical Ed  
**Status (catalog level):** Active

**EDKP 223**  
**Credit Weight:** 3  
**Transcript Title:** Games 1: Elementary Phys. Ed.  
**Calendar Title:** Games 1: Elementary Physical Education.  
**Description:**  
Focus on Teaching Games For Understanding, in relation to the Quebec Physical Education Curriculum, which includes invasion games, target games, net and wall games, and striking and fielding games. Emphasis will be placed on fundamental movement through a variety of games and physical activities.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Kinesiology and Physical Ed  
**Status (catalog level):** Active

**EDKP 225**  
**Credit Weight:** 3  
**Transcript Title:** Games 2: Secondary Phys. Ed.  
**Calendar Title:** Games 2: Secondary Physical Education.  
**Description:**  
Focus on Teaching Games For Understanding, in relation to the Quebec Physical Education Curriculum, to explore sport-specific skills, tactics, and strategies that are included across traditional sports and settings. The conceptual teaching of physical education will be emphasized.

**Notes:**  
Prerequisite: EDKP 223

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Kinesiology and Physical Ed  
**Status (catalog level):** Active

**EDKP 229**  
**Credit Weight:** 1  
**Transcript Title:** Ice Hockey 1  
**Calendar Title:** Ice Hockey 1.  
**Description:**  
Acquisition of skills and techniques in ice hockey.

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Kinesiology and Physical Ed  
**Status (catalog level):** Active
EDKP 231
Credit Weight: 1
Transcript Title: Martial Arts
Calendar Title: Martial Arts.
Description: Acquisition of skills and techniques in martial arts.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 232
Credit Weight: 3
Transcript Title: Health-Related Fitness
Calendar Title: Health-Related Fitness.
Description: Participation in activities surrounding the components of cardiovascular fitness, strength, and flexibility. Exposure to a variety of fitness assessments as well as how these assessments can be used to connect to the Quebec Physical Education Curriculum’s student plans of action in regards to overall health and well-being.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 233
Credit Weight: 2
Transcript Title: Soccer
Calendar Title: Soccer.
Description: Acquisition of skills and techniques in soccer from a curriculum model approach.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 235
Credit Weight: 3
Transcript Title: Non-Traditional Phys. Act
Calendar Title: Non-Traditional Physical Activities.
Description: Martial arts, meditation, stress releasing and other related activities will be introduced to incorporate these activities into future physical education and health programs. The Quebec Physical Education Curriculum will be utilized.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 237
Credit Weight: 3
Transcript Title: Outdoor Education
Calendar Title: Outdoor Education.
Description: Utilization of the outdoors in interdisciplinary lesson planning to engage students in alternative environments, using the Teaching Personal Social Responsibility Through Physical Activity model. Urban outdoor activities will also be included to meet the realities of teaching in large urban centres.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 241
Credit Weight: 3
Transcript Title: Indigenous Physical Activities
Calendar Title: Indigenous Physical Activities.
Description: Designed to prepare students to teach physical recreation activities of their Indigenous culture such as Indigenous games, stunts, combatives, gymnastics and dance activities belonging in the cultural context.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Restriction: Open only to students in the Certificate in Education for First Nations and Inuit and Bachelors of Education First Nations and Inuit Education.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 245
Credit Weight: 1
Transcript Title: Special Topics 01
Calendar Title: Special Topics 01.
Description: Special topics in Physical Education.
Notes: Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 250
Credit Weight: 3
Transcript Title: Intro Princ in Appl Kinesiol
Calendar Title: Introductory Principles in Applied Kinesiology.
Description: A combination of lectures and practical demonstrations in applied kinesiology.
Symbols: PRMT - Requires departmental approval
NAEL - Not available as an Education elective
Notes: Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 252
Credit Weight: 2
Transcript Title: Racquet Sports
Calendar Title: Racquet Sports.
Description: Basic stroke techniques, rules and strategies, and teaching skills appropriate for various types of racquet sports.
Notes: Restriction: Not open to students who have taken EDKP 226 and EDKP 235
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 253
Credit Weight: 3
Transcript Title: Movement Education
Calendar Title: Movement Education.
Description:
A Laban theme-based approach will be incorporated through dance, gymnastics, circus and parkour. Basic movement patterns of balance, landings, rotations, and locomotion will be taught. Developmental lesson planning and safety will be incorporated throughout the course.
Notes:
Restriction: Not open to students who have taken EDKP 216 and EDKP 210 or EDKP 253 or EDKP 254.

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 261
Credit Weight: 3
Transcript Title: Motor Development
Calendar Title: Motor Development.
Description:
Changes apparent in motor behaviour from conception to old age. Two perspectives are emphasized: 1) contemporary and historical theories of human development, 2) development of motor behaviour and influences of physical growth, sensori-perceptual development, information processing and socio-cultural factors.
Symbols: CONC - Education - course could be acceptable in an academic concentration

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 292
Credit Weight: 3
Transcript Title: Nutrition and Wellness
Calendar Title: Nutrition and Wellness.
Description:
This course will examine the role of carbohydrates, fats, proteins, vitamins, minerals and water in a balanced diet. Students will be introduced to the affects of nutrition on exercise, sport performance and wellness. The validity of claims concerning nutrient supplements will be studied.
Notes:
Restriction: Not open to students who have taken EDKP 392

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 293
Credit Weight: 3
Transcript Title: Anatomy and Physiology
Calendar Title: Anatomy and Physiology.
Description:
Basic foundations of structural, neuromuscular and visceral anatomy extending to the basic elements of the neuromuscular, circulatory and respiratory systems with
emphasis on applications in instructional and coaching settings.

Notes:
Restriction: Not open to students who have taken EDKP 205 and EDKP 331

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 300
Credit Weight: 3
Transcript Title: Special Topics 02
Calendar Title: Special Topics 02.
Description:
Content will vary from year to year and will be announced prior to registration. The course will be given by a single instructor or by a group, as the occasion warrants.

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 301
Credit Weight: 3
Transcript Title: Kinesiology Internship 1
Calendar Title: Kinesiology Internship 1.
Description:
A skills-based practical experience in kinesiology.

Notes:
Corequisite(s): EDKP 350 and EDKP 395
Prerequisites: EDKP 250, PHGY 209, PHGY 210

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 302
Credit Weight: 3
Transcript Title: Kinesiol Clinic Internship 1
Calendar Title: Kinesiology Clinic Internship 1.
Description:
A skills-based practical experience in the on-campus Kinesiology Clinic.

Notes:
Corequisite(s): EDKP 350, EDKP 395
Prerequisite(s): EDKP 250, PHGY 209, PHGY 210

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 307
Credit Weight: 3
Transcript Title: Evaluation in Phys Ed
Calendar Title: Evaluation in Physical Education.
Description:
Measurement and evaluation techniques designed to assess progress in physical education settings.

Notes:
Prerequisite: EDFE 246
Restriction: Not open to students who have taken EDKP 207

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 314
Credit Weight: 1
Transcript Title: Basketball 2
Calendar Title: Basketball 2.
Description: Acquisition of skills and techniques in basketball.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 330
Credit Weight: 3
Transcript Title: Physical Act & Public Health
Calendar Title: Physical Activity and Public Health.
Description: Introduction to literature on the role of physical activity and general health and well-being. Examination of exercise adherence issues, exercise prescription, and the economic impact of physical fitness programs in the workplace. Epidemiologic literature. Concepts of health promotion and public health.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 332
Credit Weight: 3
Transcript Title: Physical Education C&I
Calendar Title: Physical Education Curriculum and Instruction.
Description: Principles, programs and procedures that an elementary teacher may use to promote the designing and teaching of elementary school P.E.
Notes: Restriction: Not open to P.E. Majors
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 342
Credit Weight: 3
Transcript Title: Phys. Ed Methods
Calendar Title: Physical Education Methods.
Description: This course is a prerequisite for all field experience and practice.) Designed to prepare students for a teaching/leadership role in physical education. They will examine teaching/leadership effectiveness as it relates to organization and observation techniques, planning, instruction and evaluation of physical activity.
Symbols: NAEL - Not available as an Education elective
Notes: Prerequisite: EDKP 223.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 350
Credit Weight: 3
Transcript Title: Phys. Fitness Eval. Methods
Calendar Title: Physical Fitness Evaluation Methods.
Description:
Provides hands-on skills and training required to work as a kinesiologist. Focus is placed on risk assessment, fitness evaluation methods, collection and interpretation of client data and individualized physical fitness prescription. Lecture and practical lab hours included.
Symbols: NAEL - Not available as an Education elective
Notes:
Restriction: Open to BSc (Kinesiology) students only.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 391
Credit Weight: 3
Transcript Title: Physiology in Sport & Exercise
Calendar Title: Physiology in Sport and Exercise.
Description:
Examination of the responses of the human body during and following acute and chronic exercise with practical applications for a school setting.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Prerequisite: EDKP 293 or equivalent.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 393
Credit Weight: 3
Transcript Title: Skill Learning and Expertise
Calendar Title: Skill Learning and Expertise.
Description:
Cognitive perspective on sport skill learning and the development of expertise, and the roles of innate talent, practice and instruction.
Notes:
Restriction: Not open to students who have taken EDKP 492
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 394
Credit Weight: 3
Transcript Title: Historical Perspectives
Calendar Title: Historical Perspectives.
Description:
A historical survey of the form and function of organized sport and physical activity.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 395
Credit Weight: 3
Transcript Title: Exercise Physiology
Calendar Title: Exercise Physiology.
Description:
Examination of the physiological responses of the neuromuscular, metabolic, endocrine, and circulatory and respiratory systems to acute and chronic exercise.

Notes:
Prerequisites: PHGY 209 and PHGY 210.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 396
Credit Weight: 3
Transcript Title: Adapted Physical Activity
Calendar Title: Adapted Physical Activity.
Description:
Assessment, instruction and evaluation in physical activity for special populations. Emphasis on inclusion of people labelled intellectually disabled, learning disabled, physically awkward, autistic, visually or hearing impaired and physically disabled. Weekly lectures plus practical teaching lab.
Notes:
Restriction: Not open to students who have taken EDKP 496
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 400
Credit Weight: 3
Transcript Title: Special Topics 03
Calendar Title: Special Topics 03.
Description:
Special topics in Physical Education.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 401
Credit Weight: 3
Transcript Title: Kinesiology Internship 2
Calendar Title: Kinesiology Internship 2.
Description:
A skills-based practical experience in kinesiology.
Notes:
Corequisites: EDKP 350 and EDKP 395
Prerequisites: EDKP 250, PHGY 209, PHGY 210, EDKP 301
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 402
Credit Weight: 3
Transcript Title: Kinesiol Clinic Internship 2
Calendar Title: Kinesiology Clinic Internship 2.
Description:
A skills-based practical experience in the on-campus Kinesiology Clinic.
Notes:
Corequisite(s): EDKP 350, EDKP 395
Prerequisites: EDKP 250, EDKP 301 or EDKP 302, PHGY 209, PHGY 210
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 405

Credit Weight: 3
Transcript Title: Sport in Society
Calendar Title: Sport in Society.
Description:
An examination of the cultural, social, political and economic factors that influence sport in society. Special attention to the effects of gender, financial constraints and political policies on involvement in physical activity and sports programs.
Notes:
Prerequisite: EDKP 261
Corequisite: EDKP 498
Restrictions: Not open to students who have taken EDKP 505

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 442

Credit Weight: 3
Transcript Title: Physical Education Pedagogy
Calendar Title: Physical Education Pedagogy.
Description:
This pedagogy course builds on physical education methods and field experiences. It focuses on the developing teacher, the establishment of the learning environment, and the implementation of the varied teaching strategies. Principles of research on teaching in physical education are translated into practical techniques for application in the field.
Notes:
Prerequisites: EDKP 342, EDFE 246 and EDFE 373

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 443

Credit Weight: 3
Transcript Title: Research Methods
Calendar Title: Research Methods.
Description:
How to conduct and understand research in physical activity, including a complete overview of the research process, statistical and measurement concepts in research, the various types of research including both quantitative and qualitative aspects, as well as ways of presenting research.
Notes:

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 444

Credit Weight: 3
Transcript Title: Ergonomics
Calendar Title: Ergonomics.
Description:
An examination of ergonomic issues including: injury mechanisms, evaluation and assessment techniques, occupational health and safety legislation, and ergonomic interventions.

Notes:
Prerequisites: ANAT 315, EDKP 206
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 445
Credit Weight: 3
Transcript Title: Exercise Metabolism
Calendar Title: Exercise Metabolism.
Description:
The biochemical structure and regulation of major biochemical pathways related to exercise. Examine the hormonal regulation of lipid, carbohydrate and protein metabolism during short and prolonged exercise as well as the influence of physical training. Examine gender-related differences and exercise metabolism.

Notes:
Prerequisite: EDKP 395.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 446
Credit Weight: 3
Transcript Title: Physical Activity and Ageing
Calendar Title: Physical Activity and Ageing.
Description:
Review of ageing-related changes in circulatory, respiratory, neuromuscular, hormonal, metabolic and immune systems as they relate to functional limitations and the physiological responses to acute and chronic exercise. Examination of the role of exercise in mitigating ageing response.

Notes:
Prerequisite: EDKP 395.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 447
Credit Weight: 3
Transcript Title: Motor Control
Calendar Title: Motor Control.
Description:

Notes:
Prerequisites: EDKP 206, PHGY 201 or PHGY 209, PHGY 202 or PHGY 210, EDKP 261
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 448
Credit Weight: 3
Transcript Title: Exercise and Health Psychology
Calendar Title: Exercise and Health Psychology.
Description:
The psychological aspects of health and participation in exercise and physical activity. The application of psychological knowledge and methodology within exercise and health. Theory and evidence on selected topics in this area of study.
Notes:
Prerequisite: EDKP 261
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 449
Credit Weight: 3
Transcript Title: Neuromusc & Inflamm Pathophys
Calendar Title: Neuromuscular and Inflammatory Pathophysiology.
Description:
Review of the physiological bases of selected disorders of the immune, renal, neurological and muscular-skeletal systems and an examination of the particularities of exercise responses and the effects of exercise conditioning in these populations. A special emphasis on the scientific bases for exercise prescription.
Notes:
Prerequisite: EDKP 395.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 450
Credit Weight: 3
Transcript Title: Adv Princ in Applied Kinesiol
Calendar Title: Advanced Principles in Applied Kinesiology.
Description:
To introduce the elements of a periodization plan.
Symbols: PRMT - Requires departmental approval
         NAEL - Not available as an Education elective
Notes:
Prerequisites: EDKP 250 and EDKP 350
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 451
Credit Weight: 3
Transcript Title: Personal Trainer Practicum
Calendar Title: Personal Trainer Practicum.
Description:
A practical work-study experience with a focus on instruction and experience in personal training.
Symbols: PRMT - Requires departmental approval
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 453
Credit Weight: 3  
Transcript Title: Research Pract. in Kinesiology  
Calendar Title: Research Practicum in Kinesiology.  
Description: 
Supervised research practicum in kinesiology.  
Symbols: PRMT - Requires departmental approval  
Notes: 
Prerequisite: EDKP 443  
Administering Faculty: Faculty of Education  
Teaching Department: Kinesiology and Physical Ed  
Status (catalog level): Active

EDKP 453D1  
Credit Weight: 1.5  
Transcript Title: Research Pract. in Kinesiology  
Calendar Title: Research Practicum in Kinesiology.  
Description: 
Supervised research practicum in kinesiology.  
Symbols: PRMT - Requires departmental approval  
Notes: 
Prerequisite: EDKP 443  
Students must register for both EDKP 453D1 and EDKP 453D2.  
No credit will be given for this course unless both EDKP 453D1 and EDKP 453D2 are successfully completed in consecutive terms.  
EDKP 453D1 and EDKP 453D2 together are equivalent to EDKP 453.  
Administering Faculty: Faculty of Education  
Teaching Department: Kinesiology and Physical Ed  
Status (catalog level): Active

EDKP 453D2  
Credit Weight: 1.5  
Transcript Title: Research Pract. in Kinesiology  
Calendar Title: Research Practicum in Kinesiology.  
Description: 
See EDKP 453D1 for course description.  
Symbols: PRMT - Requires departmental approval  
Notes: 
Prerequisite: EDKP 453D1  
No credit will be given for this course unless both EDKP 453D1 and EDKP 453D2 are successfully completed in consecutive terms.  
EDKP 453D1 and EDKP 453D2 together are equivalent to EDKP 453.  
Administering Faculty: Faculty of Education  
Teaching Department: Kinesiology and Physical Ed  
Status (catalog level): Active

EDKP 454  
Credit Weight: 3  
Transcript Title: Honours Research Practicum  
Calendar Title: Honours Research Practicum.  
Description: 
Supervised directed study and research leading to the development of a formal undergraduate thesis proposal.  
Administering Faculty: Faculty of Education  
Teaching Department: Kinesiology and Physical Ed  
Status (catalog level): Active
EDKP 485
Credit Weight: 3
Transcript Title: Cardiopulmonary Ex Pathophys
Calendar Title: Cardiopulmonary Exercise Pathophysiology.
Description: The physiological bases of selected cardiovascular, respiratory and metabolic disorders and an examination of the particularities of exercise responses and the effects of exercise conditioning in these populations. A special emphasis on the scientific bases for exercise prescription.
Notes: Prerequisite: EDKP 395.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 494
Credit Weight: 3
Transcript Title: PhysEd Curriculum Development
Calendar Title: Physical Education Curriculum Development.
Description: Analysis of important philosophies, principles, and personal, educational, and societal issues that influence current physical and health education curricula with particular emphasis on the Québec curriculum for Physical Education and Health.
Symbols: NAEL - Not available as an Education elective
Notes: Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 495
Credit Weight: 3
Transcript Title: Scientific Princ of Training
Calendar Title: Scientific Principles of Training.
Description: Application of physiological and kinesiological principles in the selection and evaluation of athletic and physical fitness programs. Specific topics studied will include aerobic and anaerobic training, interval training, circuit training, weight training for muscular strength and endurance, flexibility, motor ability, obesity and energy balance.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Prerequisite: EDKP 395.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 498
Credit Weight: 3
Transcript Title: Sport Psychology
Calendar Title: Sport Psychology.
Description: The psychological aspects of participation in sport and physical activity relative to performance enhancement.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Prerequisite: EDKP 261
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 499
Credit Weight: 6
Transcript Title: UG Honours Research Project
Calendar Title: Undergraduate Honours Research Project.
Description:
Supervised preparation of an Honours research project under the direction of a faculty member.
Notes:
Prerequisite: EDKP 454
Restriction: Open only to students enrolled in the B.Sc.(Kinesiology); Honours in Kinesiology program.
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 499D1
Credit Weight: 3
Transcript Title: UG Honours Research Project
Calendar Title: Undergraduate Honours Research Project.
Description:
Supervised preparation of an Honours research project under the direction of a faculty member.
Notes:
Prerequisite: EDKP 454
Students must register for both EDKP 499D1 and EDKP 499D2
No credit is given for this course unless both EDKP 499D1 and EDKP 499D2 are successfully completed in consecutive terms
EDKP 499D1 and EDKP 499D2 are equivalent to EDKP 499
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 499D2
Credit Weight: 3
Transcript Title: UG Honours Research Project
Calendar Title: Undergraduate Honours Research Project.
Description:
See EDKP 499D1 for course description.
Notes:
Prerequisite: EDKP 499D1
No credit is given for this course unless both EDKP 499D1 and EDKP 499D2 are successfully completed in consecutive terms
EDKP 499D1 and EDKP 499D2 are equivalent to EDKP 499
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 499N1
Credit Weight: 3
Transcript Title: UG Honours Research Project
Calendar Title: Undergraduate Honours Research Project.

Description:
Supervised preparation of an Honours research project under the direction of a faculty member.

Notes:
Prerequisite: EDKP 454
Students must register for both EDKP 499N1 and EDKP 499N2
No credit is given for this course unless both EDKP 499N1 and EDKP 499N2 are successfully completed in consecutive terms
EDKP 499N1 and EDKP 499N2 are equivalent to EDKP 499

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 499N2
Credit Weight: 3
Transcript Title: UG Honours Research Project
Calendar Title: Undergraduate Honours Research Project.

Description:
See EDKP 499N1 for course description.

Notes:
Prerequisite: EDKP 499N1
No credit is given for this course unless both EDKP 499D1 and EDKP 499D2 are successfully completed in consecutive terms
EDKP 499D1 and EDKP 499D2 are equivalent to EDKP 499

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 504
Credit Weight: 3
Transcript Title: Health & Lifestyle Education
Calendar Title: Health and Lifestyle Education.

Description:
This course will focus on content development and implementation of Health and Lifestyle concepts within the elementary and secondary physical education curriculum. Emphasis through lectures and labs will allow students' participation and experimentation of activities that could be taught in classroom and/or physical education settings.

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 542
Credit Weight: 3
Transcript Title: Environmental Exercise Physiol
Calendar Title: Environmental Exercise Physiology.

Description:
Environmental Exercise Physiology will examine human physiological responses to acute and chronic exercise in the following environments: thermal stress (hot and cold), hypobaric (medium and high altitude), hyperbaric (diving and chambers), and microgravity.

Notes:
Prerequisite: EDKP 395.

Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Inactive

EDKP 548
Credit Weight: 3
Transcript Title: Applied Exercise Psychology
Calendar Title: Applied Exercise Psychology.
Description: This course examines common theories and interventions used to understand and promote physical activity by (a) reviewing, discussing, and critically evaluating theories of health behaviour change, and (b) learning and applying physical activity counselling strategies.
Notes: Not open to students who have taken EDKP 648.
Prerequisite(s): EDKP 443 and EDKP 448
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 566
Credit Weight: 3
Transcript Title: Advanced Biomechanics Theory
Calendar Title: Advanced Biomechanics Theory.
Description: Examination of biomechanical applications in various contexts such as clinical, ergonomic, sport, aging, comparative, robotics.
Notes: Prerequisites: ANAT 315 and EDKP 206
Restriction: Not open to students who have taken EDKP 303 or EKDP 568
Administering Faculty: Faculty of Education
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 603
Credit Weight: 6
Transcript Title: Individual Reading Course 1
Calendar Title: Individual Reading Course 1.
Description: Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 603D1
Credit Weight: 3
Transcript Title: Individual Reading Course 1
Calendar Title: Individual Reading Course 1.
Description: Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.
Notes: Students must register for both EDKP 603D1 and EDKP 603D2.
No credit will be given for this course unless both EDKP 603D1 and EDKP 603D2 are successfully completed in consecutive terms.
EDKP 603D1 and EDKP 603D2 together are equivalent to EDKP 603.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 603D2
Credit Weight: 3
Transcript Title: Individual Reading Course 1
Calendar Title: Individual Reading Course 1.
Description:
See EDKP 603D1 for course description.
Notes:
Prerequisite: EDKP 603D1
No credit will be given for this course unless both EDKP 603D1 and EDKP 603D2 are successfully completed in consecutive terms.
EDKP 603D1 and EDKP 603D2 together are equivalent to EDKP 603
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 605
Credit Weight: 3
Transcript Title: Research Methods 1
Calendar Title: Research Methods 1.
Description:
A critical examination of philosophical issues, current paradigms, and research methodologies related to conducting research in kinesiology and physical education.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 616
Credit Weight: 3
Transcript Title: Individual Reading Course 2
Calendar Title: Individual Reading Course 2.
Description:
Reading Course.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 617
Credit Weight: 0
Transcript Title: Seminar in K&PE 1
Calendar Title: Seminar in Kinesiology and Physical Education 1.
Description:
Seminar course given by students and invited speakers covering different areas of research related to kinesiology and physical education.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 618
Credit Weight: 0
Transcript Title: Seminar in K&PE 2
Calendar Title: Seminar in Kinesiology and Physical Education 2.
Description:
Seminar course given by students and invited speakers covering different areas of research related to kinesiology and physical education.

Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 619
Credit Weight: 0
Transcript Title: Seminar in K&PE 3
Calendar Title: Seminar in Kinesiology and Physical Education 3.
Description: Seminar course given by students and invited speakers covering different areas of research related to kinesiology and physical education.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 620
Credit Weight: 0
Transcript Title: Seminar in K & PE 4
Calendar Title: Seminar in Kinesiology and Physical Education 4.
Description: Seminar course given by students and invited speakers covering different areas of research related to kinesiology and physical education.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 621
Credit Weight: 1.5
Transcript Title: Seminar in Kin & Physcl Ed 1A
Calendar Title: Seminar in Kinesiology and Physical Education 1A.
Description: Seminars given by students and invited speakers covering different areas of research related to kinesiology and physical education.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 622
Credit Weight: 1.5
Transcript Title: Seminar in Kin & Physcl Ed 2A
Calendar Title: Seminar in Kinesiology and Physical Education 2A.
Description: Seminars given by students and invited speakers covering different areas of research related to kinesiology and physical education.
Notes: Prerequisite: EDKP 621
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 623
Credit Weight: 1.5
Transcript Title: Seminar in Kin & Physcl Ed 3A
Calendar Title: Seminar in Kinesiology and Physical Education 3A.
Description:
Seminars given by students and invited speakers covering different areas of research related to kinesiology and physical education.

Notes:
Prerequisites: EDKP 622
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 624
Credit Weight: 1.5
Transcript Title: Seminar in Kin & Physcl Ed 4A
Calendar Title: Seminar in Kinesiology and Physical Education 4A.
Description:
Seminars given by students and invited speakers covering different areas of research related to kinesiology and physical education.
Notes:
Prerequisites: EDKP 623
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 625
Credit Weight: 3
Transcript Title: Sport, PhysclAct&Social Theory
Calendar Title: Sport, Physical Activity and Social Theory.
Description:
Introduction to various social theories that have helped to advance the study of sport and physical activity. Theories will be applied to current debates about a range of public issues, including gender, race, and identity issues; the body and body image; exercise and technology; and health promotion.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 630
Credit Weight: 3
Transcript Title: Human Locomotion
Calendar Title: Human Walking Mechanics.
Description:
Kinematics, kinetics, and neural control of walking and running under normal and perturbed conditions. Comparison of locomotion strategies for different populations (e.g., adolescents, elderly, amputees) will be emphasized. Various measurement techniques, data processing, and evaluations of total body and limb coordination will be addressed.
Notes:
Prerequisite: EDKP 206 or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 631
Credit Weight: 3
Transcript Title: Qualitative Methods
Calendar Title: Qualitative Methods.
Description:
Examination of qualitative research methods and methodologies in sport, physical education and physical activity settings, including issues of epistemology, ontology, research paradigms, methods of data collection, analysis, and forms of representing qualitative research findings.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Kinesiology and Physical Ed  
**Status (catalog level):** Active

**EDKP 635**  
**Transcript Title:** Modeling Human Movement  
**Calendar Title:** Modeling Human Movement.  
**Description:** Computational techniques and methodologies necessary for theoretical calculation of modelling the physical dynamic behaviour of the human body and tissues.  
**Notes:** Prerequisite: EDKP 206 or permission of instructor.

**EDKP 640**  
**Transcript Title:** Advanced Ergonomics  
**Calendar Title:** Advanced Ergonomics.  
**Description:** Biomechanical aspects of some common motion disorders associated with the workplace. Recent knowledge in this area will be used to gain a better understanding and develop problem-solving skills related to issues such as risk factors, activity status, injury mechanisms, movement compensation, and work adaptation strategies.  

**EDKP 652**  
**Transcript Title:** Adv Cardiopulmonary Ex Physiol  
**Calendar Title:** Advanced Cardiopulmonary Exercise Physiology.  
**Description:** A comprehensive synthesis of cardiovascular and pulmonary system responses (and their underlying regulatory mechanisms) to acute and chronic exercise in athletes, healthy and diseased populations, studied through the lens of contemporary issues and controversies in the field.  

**EDKP 654**  
**Transcript Title:** Sport Psychology  
**Calendar Title:** Sport Psychology.  
**Description:** The psychological factors and personality characteristics that influence diverse aspects of sport and physical activity. Seminars focus on discussions/presentations of theory, psychometrics and application of
psychological principles to behaviour in sport.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Kinesiology and Physical Ed

**Status (catalog level):** Active

**EDKP 661**

**Credit Weight:** 6

**Transcript Title:** Current Top in Kinesiology Res

**Calendar Title:** Current Topics in Kinesiology Research.

**Description:**
Lecture and seminar-based discussions of current research across sub-disciplines and areas relevant to kinesiology. Students will situate their specific areas of doctoral research within the broader multidisciplinary field of kinesiology and other health-related research disciplines. Taught by experts in sub-disciplines of kinesiology research (e.g., exercise physiology, biomechanics, motor control, physical and health education pedagogy, sport and exercise psychology) and in interdisciplinary health research. Through individual and group work, students will be expected to develop a breadth and foundation of knowledge in kinesiology, its evolution and future directions of the field.

**Notes:**
Prerequisites: EDKP 605 AND EDPE 676 or equivalent.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Kinesiology and Physical Ed

**Status (catalog level):** Active

**EDKP 661D1**

**Credit Weight:** 3

**Transcript Title:** Current Top in Kinesiology Res

**Calendar Title:** Current Topics in Kinesiology Research.

**Description:**
Lecture and seminar-based discussions of current research across sub-disciplines and areas relevant to kinesiology. Students will situate their specific areas of doctoral research within the broader multidisciplinary field of kinesiology and other health-related research disciplines. Taught by experts in sub-disciplines of kinesiology research (e.g., exercise physiology, biomechanics, motor control, physical and health education pedagogy, sport and exercise psychology) and in interdisciplinary health research. Through individual and group work, students will be expected to develop a breadth and foundation of knowledge in kinesiology, its evolution and future directions of the field.

**Notes:**
Prerequisite(s): EDKP 661D1

No credit will be given for this course unless both EDKP 661D1 and EDKP 661D2 are successfully completed in consecutive terms.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Kinesiology and Physical Ed

**Status (catalog level):** Active

**EDKP 661D2**

**Credit Weight:** 3

**Transcript Title:** Current Top in Kinesiology Res

**Calendar Title:** Current Topics in Kinesiology Research.

**Description:**
See EDKP 661D1 for description.

**Notes:**
Prerequisite: EDKP 661D1

No credit will be given for this course unless both EDKP 661D1 and EDKP 661D2 are
successfully completed in consecutive terms

Administrating Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 662
Credit Weight: 3
Transcript Title: Musculoskeletal Resp to Ex
Calendar Title: Musculoskeletal Responses to Exercise.
Description:
Examination of acute and chronic adaptations of the musculoskeletal system to different types of exercise, and current concepts and understanding of muscle mass regulation, fatigue, motor unit recruitment, and bone strength determinants.

Administrating Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 664
Credit Weight: 3
Transcript Title: Motor Learning and Behaviour
Calendar Title: Motor Learning and Behaviour.
Description:
The analysis of conditions and factors related to human learning and performance or behavioural potential using the information processing model of behaviour. Seminar format is used to discuss experimentation and theory that examine motor skill acquisition.

Administrating Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 671
Credit Weight: 3
Transcript Title: Experimental Problems
Calendar Title: Experimental Problems.
Description:
Study in one area of: ergo-physiology or biomechanics or psychology of motor performance or motor performance for exceptional children. To provide an opportunity to conduct a research project and develop an awareness of the problems involved in the area of concentration under departmental supervision.

Administrating Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 672
Credit Weight: 6
Transcript Title: Advanced Experimental Problems
Calendar Title: Advanced Experimental Problems.
Description:
Students conduct a research project and focus on advanced and intensive experimental problems involved in the area of concentration under departmental supervision.

Administrating Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 672D1
Credit Weight: 3
Transcript Title: Advanced Experimental Problems
Calendar Title: Advanced Experimental Problems.
Description:
Students conduct a research project and focus on advanced and intensive experiential problems involved in the area of concentration under departmental supervision.
Notes:
Students must register for both EDKP 672D1 and EDKP 672D2
No credit will be given for this course unless both EDKP 672D1 and EDKP 672D2 are successfully completed in consecutive terms
EDKP 672D1 and EDKP 672D2 together are equivalent to EDKP 672
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 672D2
Credit Weight: 3
Transcript Title: Advanced Experimental Problems
Calendar Title: Advanced Experimental Problems.
Description:
Students conduct a research project and focus on advanced and intensive experiential problems involved in the area of concentration under departmental supervision.
Notes:
Prerequisite: EDKP 672D1
No credit will be given for this course unless both EDKP 672D1 and EDKP 672D2 are successfully completed in consecutive terms
EDKP 672D1 and EDKP 672D2 together are equivalent to EDKP 672
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 691
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
A comprehensive literature review in the general area of the thesis topic. Independent work under the supervision of the thesis advisor(s).
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 691D1
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
A comprehensive literature review in the general area of the thesis topic. Independent work under the supervision of the thesis advisor(s).
Notes:
Students must register for both EDKP 691D1 and EDKP 691D2
No credit will be given for this course unless both EDKP 691D1 and EDKP 691D2 are successfully completed in consecutive terms
EDKP 691D1 and EDKP 691D2 together are equivalent to EDKP 691
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed

Status (catalog level): Active

EDKP 691D2
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: See EDKP 691D1 for course description.
Notes: Prerequisite: EDKP 691D1
No credit will be given for this course unless both EDKP 691D1 and EDKP 691D2 are successfully completed in consecutive terms
EDKP 691D1 and EDKP 691D2 together are equivalent to EDKP 691

Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 692
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent work under the supervision of the thesis advisor(s) culminating with a written proposal and oral seminar explaining the direction of the thesis research.

Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 692D1
Credit Weight: 3
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent work under the supervision of the thesis advisor(s) culminating with a written proposal and oral seminar explaining the direction of the thesis research.
Notes: Students must register for both EDKP 692D1 and EDKP 692D2
No credit will be given for this course unless both EDKP 692D1 and EDKP 692D2 are successfully completed in consecutive terms
EDKP 692D1 and EDKP 692D2 together are equivalent to EDKP 692

Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 692D2
Credit Weight: 3
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: See EDKP 692D1 for course description.
Notes: Prerequisite: EDKP 692D1
No credit will be given for this course unless both EDKP 692D1 and EDKP 692D2 are successfully completed in consecutive terms
EDKP 692D1 and EDKP 692D2 together are equivalent to EDKP 692
Administering Faculty: Graduate Studies  
Teaching Department: Kinesiology and Physical Ed  
Status (catalog level): Active

EDKP 693
Credit Weight: 6  
Transcript Title: Thesis Research 3  
Calendar Title: Thesis Research 3.  
Description: Ongoing research pertaining to the thesis under the direction of the thesis advisor(s).

EDKP 693D1
Credit Weight: 3  
Transcript Title: Thesis Research 3  
Calendar Title: Thesis Research 3.  
Description: Ongoing research pertaining to the thesis under the direction of the thesis advisor(s).
Notes: Students must register for both EDKP 693D1 and EDKP 693D2. No credit will be given for this course unless both EDKP 693D1 and EDKP 693D2 are successfully completed in consecutive terms. EDKP 693D1 and EDKP 693D2 together are equivalent to EDKP 693.

EDKP 693D2
Credit Weight: 3  
Transcript Title: Thesis Research 3  
Calendar Title: Thesis Research 3.  
Description: See EDKP 693D1 for course description.
Notes: Prerequisite: EDKP 693D1. No credit will be given for this course unless both EDKP 693D1 and EDKP 693D2 are successfully completed in consecutive terms. EDKP 693D1 and EDKP 693D2 together are equivalent to EDKP 693.

EDKP 694
Credit Weight: 6  
Transcript Title: Thesis Research 4  
Calendar Title: Thesis Research 4.  
Description: Independent work under the supervision of the thesis advisor(s). Final submission and approval of the thesis.

Administering Faculty: Graduate Studies  
Teaching Department: Kinesiology and Physical Ed  
Status (catalog level): Active
EDKP 694D1
Credit Weight: 3
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Independent work under the supervision of the thesis advisor(s). Final submission and approval of the thesis.
Notes: Students must register for both EDKP 694D1 and EDKP 694D2
No credit will be given for this course unless both EDKP 694D1 and EDKP 694D2 are successfully completed in consecutive terms
EDKP 694D1 and EDKP 694D2 together are equivalent to EDKP 694
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 694D2
Credit Weight: 3
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: See EDKP 694D1 for course description.
Notes: Prerequisite: EDKP 694D1
No credit will be given for this course unless both EDKP 694D1 and EDKP 694D2 are successfully completed in consecutive terms
EDKP 694D1 and EDKP 694D2 together are equivalent to EDKP 694
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 695
Credit Weight: 3
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent work under the supervision of the thesis advisor(s) leading to the finalization of procedures for data collection.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 696
Credit Weight: 3
Transcript Title: Thesis Research 6
Calendar Title: Thesis Research 6.
Description: Independent work under the supervision of the thesis advisor(s) leading to the finalization of procedures for data collection.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active

EDKP 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description:
The Ph.D. Candidate must demonstrate a general knowledge within their discipline of study, an understanding of the proposed field of research and the ability to present and defend material orally. The examination includes both 1) a written component as specified by the student's advisory committee and in agreement with the thesis supervisor and the student, and 2) an oral examination (3 hours) consisting of questions related to the written component and its relationship with the more general knowledge of the discipline. The oral examination will take place within two weeks following submission of the written component.
Administering Faculty: Graduate Studies
Teaching Department: Kinesiology and Physical Ed
Status (catalog level): Active
EDLE 601
Credit Weight: 3
Transcript Title: Res Admin & Fiscal Account
Calendar Title: Resource Administration and Fiscal Accountability.
Description: This course will explore the concepts and skills necessary to manage the human and financial resources of organizations (companies, NGOs, schools, departments), including topics such as labour contracts, staff supervision, and the use of volunteers. The course will also explore side-budget management in not-for-profit organisations, particularly in relation to strategic and operational goals and objectives. It will investigate the process of formulating expenditure decisions that align with strategic goals. Models of budget development will be explored, as well approaches to cost-effectiveness analysis in educational settings.
Administering Faculty: Graduate Studies
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDLE 602
Credit Weight: 3
Transcript Title: Mrkt&Strat in Int'l Educ Lead
Calendar Title: Marketing & Strategy in International Education Leadership.
Description: This course will focus on interconnected concepts such as the principles of marketing in private and public sector organisations, the marketing needs of education institutions (e.g. student recruitment, reputation and institutional image), and the identification of target markets.
Administering Faculty: Graduate Studies
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDLE 603
Credit Weight: 3
Transcript Title: Ed Planning & Evaluation
Calendar Title: Educational Planning and Evaluation.
Description: This course addresses current approaches to planning and the development of expertise in educational institutions. Critical components of the course will include strategic and results-based planning, log frame analysis, systems assessment (systems leadership), and stakeholders analysis.
Administering Faculty: Graduate Studies
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDLE 604
Credit Weight: 3
Transcript Title: Ed & Internationalization
Calendar Title: Education and Internationalization.
Description: This course will examine the phenomenon of internationalization of education, considering selected educational institutions and policies, and situate these within the changing landscape of community and institutional development in educational contexts.
Administering Faculty: Graduate Studies
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDLE 605
Credit Weight: 3

Transcript Title: Lead for Success in Ed Inst

Calendar Title: Leading for Success in Educational Institutions.

Description:
This course focuses on key issues related to leadership in human resource management. It begins with an introduction of the concepts of leadership and the role of leadership in educational settings. Subsequently, it focuses on addressing strategic planning, and the design, execution, and assessment of recruitment programs, including mechanisms that support performance within the workplace (evaluation, mentoring, professional development). The course will examine the foundations of effective learning for individuals and organisations, and the relationship between the two.

Administrating Faculty: Graduate Studies

Teaching Department: Education - Dean's Office

Status (catalog level): Active
EDPC 201
Credit Weight: 3
Transcript Title: Intro to Student Advising
Calendar Title: Introduction to Student Advising.
Description:
Introduction to student advising and guidance including personal, vocational, and educational aspects of services normally found in Aboriginal school settings. Role of the student personnel advisor at both the elementary and secondary levels.
Administrating Faculty: School of Continuing Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 202
Credit Weight: 3
Transcript Title: Helping Skills Practicum 1
Calendar Title: Helping Skills Practicum 1.
Description:
Basic interviewing and helping skills relevant to the helping profession in Aboriginal settings. Interpersonal skills which facilitate the prevention and amelioration of problems.
Notes:
Prerequisite: EDPC 201
Administrating Faculty: School of Continuing Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 203
Credit Weight: 3
Transcript Title: Helping Skills Practicum 2
Calendar Title: Helping Skills Practicum 2.
Description:
Parent and student interviews. Practicing interviewing techniques within the context of the student's own community and culture.
Notes:
Prerequisite: EDPC 202
Administrating Faculty: School of Continuing Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 205
Credit Weight: 3
Transcript Title: Career/Occupational Dev
Calendar Title: Career/Occupational Development.
Description:
Career patterns development, occupational choice relevant to native and northern careers. Basic studies of career development and career/educational planning in northern communities. Employment trends, occupational classification and information.
Notes:
Prerequisite: EDPC 203
Administrating Faculty: School of Continuing Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 208
Credit Weight: 3
Transcript Title: Native Families' Dynamics
**Calendar Title:** Native Families' Dynamics.

**Description:**
Adolescent sexuality and concurrent problems, substance addictions, physical abuse and violence, and suicide within the milieu of the native family, with a review of possible basic interventions for remediation. The roles of teachers, counsellors, social workers, physicians and legal authorities.

**Notes:**
Prerequisite: EDPC 203

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Educational&Counselling Psych

**Status (catalog level):** Active

**EDPC 209**

**Credit Weight:** 3

**Transcript Title:** Basic Crisis Interven Skills

**Calendar Title:** Basic Crisis Intervention Skills.

**Description:**
Models and methods of crisis intervention as well as the development of skills in working with individuals experiencing emotional trauma, and identifying referral sources for individuals who require medical or psychiatric consultation.

**Notes:**
Prerequisite: EDPC 208

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Educational&Counselling Psych

**Status (catalog level):** Active

**EDPC 210**

**Credit Weight:** 3

**Transcript Title:** Field Experience

**Calendar Title:** Field Experience.

**Description:**
An extended practicum experience which commences at the beginning of formal academic training. On-going development of student personnel services training experience at the individual and group level, "progress file" and evaluation of performance over the course of training, organization and administration of student personnel services. This comprises site visits, workshops and seminars interwoven with the other courses.

**Notes:**
Prerequisite: EDPC 202

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Educational&Counselling Psych

**Status (catalog level):** Active

**EDPC 501**

**Credit Weight:** 3

**Transcript Title:** Facilitating Relationships

**Calendar Title:** Facilitating Relationships.

**Description:**
Components of effective interpersonal relationships and how to facilitate them in a variety of contexts.

**Notes:**

**Administering Faculty:** Faculty of Education

**Teaching Department:** Educational&Counselling Psych

**Status (catalog level):** Active

**EDPC 502**
Credit Weight: 3
Transcript Title: Group Processes and Diversity
Calendar Title: Group Processes and Diversity.
Description:
Theories and exploration of group development and processes, including an examination of research, and how intersectional and universal design have implications for group work.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 503
Credit Weight: 3
Transcript Title: Inter. Relationships&Sexuality
Calendar Title: Intersectional Relationships and Sexualities.
Description:
Situated in sexuality studies and education this course explores intra and interpersonal relationships through examining the intersections of sexuality with a diversity of identities, expressions and communities. The course addresses the ways in which current and emerging technologies influence and inform understandings of sexuality and the resulting effect on how people negotiate sexual relationships.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 504
Credit Weight: 3
Transcript Title: Commun&Critcal ConflictReslt
Calendar Title: Communication and Critical Conflict Resolution.
Description:
Applying a social justice framework this course will give students the opportunity to develop the critical communication skills necessary when addressing difficult dialogues and conflict.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 505
Credit Weight: 3
Transcript Title: Crisis Intervention Processes
Calendar Title: Crisis Intervention Processes.
Description:
General overview of symptoms for different crises and how different professionals can intervene and refer, including ethical and professional issues.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 507
Credit Weight: 3
Transcript Title: Advocacy,Outreach &Leadership
Calendar Title: Advocacy, Outreach and Leadership.
Description: Exploration of the roles of advocacy, outreach and leadership in developing inclusive and accessible environments, including the complex interactions between individuals and the diversity of systems in which they live.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 509
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description: Supervised individual reading course on an approved subject.
Notes:
Restriction: Permission of Program Director required
By arrangement with individual instructor.
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 511
Credit Weight: 3
Transcript Title: End of Life Care
Calendar Title: End of Life Care.
Description: Exploration of how end of life care is delivered and interpreted across divergent socio-cultural contexts by applying an intersectional framework.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 540
Credit Weight: 3
Transcript Title: Socl Respblty&Relshps: Dig Age
Calendar Title: Social Responsibility and Relationships in Digital Age.
Description: The complex way in which living in a digital age affects social relationships and its influences across generations in everyday lives.
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 542
Credit Weight: 3
Transcript Title: Ld&Supp Roles of the Teacher
Calendar Title: Leadership and Support Roles of the Teacher.
Description: Theory and practice in inclusive teacher leadership and support for all members of the school community. Leading and supporting interpersonal communication, group dynamics, self-care and resilience, and classroom management in diverse educational and community settings.
Symbols: ALTY - Taught in alternate years

Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 562
Credit Weight: 3
Transcript Title: Career as a Lifelong Process
Calendar Title: Career as a Lifelong Process.
Description: Career exploration for teachers, students and others across the lifespan. Creating inclusive and safe working environments, valuing diversity, career awareness, career growth and development, career decision-making, transferable skills, and school-to-work transitions for all.
Symbols: ALTY - Taught in alternate years
Notes: 
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 606
Credit Weight: 3
Transcript Title: Theories of Intervention 1
Calendar Title: Theories of Intervention 1.
Description: Phenomenological, cognitive, behavioural and developmental theories that bear on the interventions of counsellors, psychologists, and other practitioners.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 607
Credit Weight: 3
Transcript Title: Theories of Counselling 2
Calendar Title: Theories of Counselling 2.
Description: A detailed study of phenomenological, developmental and behavioural theories of counselling among others.
Notes: Prerequisite: EDPC 606
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 608
Credit Weight: 3
Transcript Title: Group Counselling: Theory
Calendar Title: Group Counselling: Theory.
Description: Examines the theory and process of group counselling with an emphasis on skills and techniques. Particular attention will be given to the procedural aspects of organizing a group, the theory underlying certain approaches, the process, and evaluation of outcomes.
Notes: 
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psychology
Status (catalog level): Active

EDPC 609
Credit Weight: 3
Transcript Title: Psychological Testing 1
Calendar Title: Psychological Testing 1.
Description:
History of psychological testing, theoretical aspects of individual and group testing, validity, reliability, and test construction, basic theories of intelligence, and ethical and legal issues in testing. An introduction to tests of cognitive abilities, aptitude, personality, and interests, including the acquisition of basic skills needed to administer and interpret individual tests of cognitive abilities. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period.
Notes:
Prerequisite: Undergraduate-level course in psychological measurement and assessment
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $53.50.

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psychology
Status (catalog level): Active

EDPC 610
Credit Weight: 3
Transcript Title: Psychological Testing 2
Calendar Title: Psychological Testing 2.
Description:
Theory and interpretation of intelligence tests, particularly the Wechsler and Binet scales. Practice in writing test reports, particularly as a part of a case study. The use of intelligence test results in conjunction with other types of tests. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period.
Notes:
Prerequisite: EDPC 609
Required in School/Applied Psychology. Optional in Counselling Psychology, but recommended for students specializing in school or child counselling.
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee in Winter 2015 is $92.28.

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psychology
Status (catalog level): Active
EDPC 615
Credit Weight: 3
Transcript Title: Assessment & Diagnosis 1
Calendar Title: Assessment and Diagnosis 1.
Description:
An introduction to differential assessment and diagnosis for counsellors in educational and mental health settings. The clinical interview, the assessment process, the DSM-IV, relevant test instruments, diagnostic procedures, and development of treatment plans will be subjects of study. Models of record keeping and referral procedures will be reviewed.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 616
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description:
Candidates may, with the consent of the Department, elect this individual reading and conference course in lieu of one of the above courses.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 618
Credit Weight: 3
Transcript Title: Professional Ethics & the Law
Calendar Title: Professional Ethics and the Law.
Description:
Ethics in the helping professions and some of the philosophical bases for making ethical decisions. Quebec and Canadian law relative to human rights of clients; responsibilities of counsellors to clients and society.
Notes:
Restriction: For M.A. (Non-Thesis) Counselling Psychology - Professional/Internship Concentration students only.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 619
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
A focused survey of the research literature on a topic chosen in consultation with the research supervisor.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 620
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
Development of a rationale for a research project supported by the research literature, the articulation of a specific research question(s) related to the rationale, and write up of a method to collect data that will answer the question.

Notes:
Prerequisite: EDPC 619.
Corequisite: EDPC 619.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 621
Credit Weight: 3
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description:
Data collection based on the method proposed in Research Project 2.

Notes:
Prerequisite(s): EDPC 619, EDPC 620.
Corequisites: EDPC 619; EDPC 620.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 624
Credit Weight: 3
Transcript Title: Group Counselling: Practice
Calendar Title: Group Counselling: Practice.
Description:
The practical dimension of planning and designing a group. Setting up and conducting a group in a professional setting over a period of sessions and evaluating a group in terms of models studied in EDPC 608.

Notes:
Prerequisite: EDPC 608

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 625
Credit Weight: 6
Transcript Title: Clinic Practicum 1
Calendar Title: Clinic Practicum 1.
Description:
A first level practicum in basic interviewing and helping skills and their application to a range of problems. Clients are seen in the McGill Psychoeducational and Counselling Clinic. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 626
Credit Weight: 6
Transcript Title: Clinic Practicum 2
Calendar Title: Clinic Practicum 2.
Description:
A second level practicum in basic interviewing and helping skills and their application to a range of problems. Clients are seen in the McGill Psychoeducational and Counselling Clinic. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period.
Notes:
Prerequisite: EDPC 625
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active

EDPC 628
Credit Weight: 3
Transcript Title: Research Project 4
Calendar Title: Research Project 4.
Description:
Data analysis based on data collected in Research Project 3.
Notes:
Corequisites: EDPC 619, EDPC 620, EDPC 621.
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active

EDPC 629
Credit Weight: 3
Transcript Title: Research Project 5
Calendar Title: Research Project 5.
Description:
Interpretation of data collected in Research Project 3 including its relationship to the literature and its implications.
Notes:
Corequisites: EDPC 619, EDPC 620, EDPC 621, EDPC 628.
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active

EDPC 630
Credit Weight: 3
Transcript Title: Research Project 6
Calendar Title: Research Project 6.
Description:
The development of a written report of the research project in the form of a manuscript suitable for publication.
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active

EDPC 662
Credit Weight: 3
Transcript Title: Career Psychology
Calendar Title: Career Psychology.
Description:
Contemporary career theories, and their relationship to career development, career assessment, career transition and workplace concerns are reviewed. Current issues related to career development across the life span with specific attention given to topics such as values, aptitudes, family, culture and societal contexts will be explored. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period.

Notes:
The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $62.00

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 665D1
Credit Weight: 3
Transcript Title: Practicum
Calendar Title: Practicum.
Description:
Practice in counselling interactions in preparation for internship. Developing expertise and confidence in a full range of skills to help clients make and implement self-directed choices. Emphasis on the counsellor as an educational and therapeutic agent dealing with vocational, educational, and personal counselling using various intervention modes.

Notes:
Students must register for both EDPC 665D1 and EDPC 665D2
No credit will be given for this course unless both EDPC 665D1 and EDPC 665D2 are successfully completed in consecutive terms

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 665D2
Credit Weight: 3
Transcript Title: Practicum
Calendar Title: Practicum.
Description:
See EDPC 665D1 for course description.

Notes:
Prerequisite: EDPC 665D1
No credit will be given for this course unless both EDPC 665D1 and EDPC 665D2 are successfully completed in consecutive terms

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 670
Credit Weight: 3
Transcript Title: Current Trends in Counselling
Calendar Title: Current Trends in Counselling.
Description:
Advanced studies in current trends in the counselling profession. Recent
developments in areas such as behavioural counselling, interpersonal process recall, and consultation models will be treated. The content of the course will change periodically to reflect developing trends.

Symbols: ALTY - Taught in alternate years

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 677
Credit Weight: 3
Transcript Title: Int Res Seminar: Quant Studies
Calendar Title: Internship Research Seminar: Quantitative Studies.
Description: Students become acquainted with research design and analysis for quantitative investigations including applications of current methods to clinical practice. Emphasis is given to the skills for evaluating published research and applying research findings to field settings.
Notes: Note 1: Lecture, discussion, workshops, and student research presentations are used.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 678
Credit Weight: 3
Transcript Title: Int Res Seminar: Qual Studies
Calendar Title: Internship Research Seminar: Qualitative Studies.
Description: Students become acquainted with qualitative research design and analysis including applications of current methods to clinical practice. Emphasis is given to the skills for evaluating published research, applying research findings to field settings, and conducting an independent qualitative investigation.
Notes: Note 1: Lecture, discussion, workshops, and student research presentations are used.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 679
Credit Weight: 6
Transcript Title: Internship: General 1
Calendar Title: Internship: General 1.
Description: General internship in a hosted institution or organization.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 679D1
Credit Weight: 3
Transcript Title: Internship: General 1
Calendar Title: Internship: General 1.
Description: General internship in a hosted institution or organization.
Notes:
Students must register for both EDPC 679D1 and EDPC 679D2
No credit will be given for this course unless both EDPC 679D1 and EDPC 679D2 are successfully completed in consecutive terms
EDPC 679D1 and EDPC 679D2 together are equivalent to EDPC 679

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 679D2
Credit Weight: 3
Transcript Title: Internship: General 1
Calendar Title: Internship: General 1.
Description:
See EDPC 679D1 for course description.
Notes:
Prerequisite: EDPC 679D1
No credit will be given for this course unless both EDPC 679D1 and EDPC 679D2 are successfully completed in consecutive terms
EDPC 679D1 and EDPC 679D2 together are equivalent to EDPC 679

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 682
Credit Weight: 6
Transcript Title: Practicum:Psychological Test
Calendar Title: Practicum: Psychological Testing.
Description:
Seminar and field practice in the administration and interpretation of educational and psychological tests including personality, within clinical and educational settings. Selection and evaluation of test instruments will be covered.
Supervision of report writing and the ethical use of test information.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 682D1
Credit Weight: 3
Transcript Title: Practicum:Psychological Test
Calendar Title: Practicum: Psychological Testing.
Description:
Seminar and field practice in the administration and interpretation of educational and psychological tests including personality, within clinical and educational settings. Selection and evaluation of test instruments will be covered.
Supervision of report writing and the ethical use of test information. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course.
Notes:
Prerequisite: EDPC 609
Restriction: Open only to students in Counselling Psychology or School/Applied Child Psychology
Students must register for both EDPC 682D1 and EDPC 682D2
No credit will be given for this course unless both EDPC 682D1 and EDPC 682D2 are successfully completed in consecutive terms
EDPC 682D1 and EDPC 682D2 together are equivalent to EDPC 682
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee in Winter 2018 is $60.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 682D2
Credit Weight: 3
Transcript Title: Practicum:Psychological Test
Calendar Title: Practicum: Psychological Testing.
Description:
See EDPC 682D1 for course description.
Notes:
Prerequisite: EDPC 682D1
No credit will be given for this course unless both EDPC 682D1 and EDPC 682D2 are successfully completed in consecutive terms
EDPC 682D1 and EDPC 682D2 together are equivalent to EDPC 682
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee in Winter 2018 is $60.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 683
Credit Weight: 3
Transcript Title: Prac in Psy Test:Personlty Ass
Calendar Title: Practicum in Psychological Testing: Personality Assessment.
Description:
Seminar and field practice in the administration and interpretation of tests that assess individual characteristic ways of perceiving, relating to, and thinking about the environment and oneself. The course covers the selection and evaluation of personality and vocational instruments, ethical test use, test administration, report writing, and communication of results.
Notes:
Prerequisite: EDPC 609.
The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $205.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 684
Credit Weight: 3
Transcript Title: Prac in Psy Test:Cognitive Ass
Calendar Title: Practicum in Psychological Testing: Cognitive Assessment.
Description:
Seminar and field practice in the administration and interpretation of instruments that assess cognitive functioning and psychosocial functioning as it relates to cognitive abilities and academic achievements. The course covers the selection and evaluation of instruments, ethical test use, test administration, report writing, and communication of test results.

Notes:
Prerequisite: EDPC 609.
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $117.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 685
Credit Weight: 6
Transcript Title: Internship: Voc&Rehab Counsell
Calendar Title: Internship: Vocational and Rehabilitation Counselling.
Description:
Study, observation, and practice of specialized aspects of counselling through Faculty supervision and direction by personnel in the internship setting.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 685D1
Credit Weight: 3
Transcript Title: Internship: Voc&Rehab Counsell
Calendar Title: Internship: Vocational and Rehabilitation Counselling.
Description:
Study, observation, and practice of specialized aspects of counselling through Faculty supervision and direction by personnel in the internship setting.
Notes:
Students must register for both EDPC 685D1 and EDPC 685D2
No credit will be given for this course unless both EDPC 685D1 and EDPC 685D2 are successfully completed in consecutive terms
EDPC 685D1 and EDPC 685D2 together are equivalent to EDPC 685

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 685D2
Credit Weight: 3
Transcript Title: Internship: Voc&Rehab Counsell
Calendar Title: Internship: Vocational and Rehabilitation Counselling.
Description:
See EDPC 685D1 for course description.
Notes:
Prerequisite: EDPC 685D1
No credit will be given for this course unless both EDPC 685D1 and EDPC 685D2 are successfully completed in consecutive terms
EDPC 685D1 and EDPC 685D2 together are equivalent to EDPC 685

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 699
Credit Weight: 12
Transcript Title: Thesis Preparation 3
Calendar Title: Thesis Preparation 3.
Description: Preparatory work towards the Master's thesis.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 701
Credit Weight: 0
Transcript Title: Comprehensive Exam
Calendar Title: Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 702
Credit Weight: 3
Transcript Title: Assessment & Diagnosis 2
Calendar Title: Assessment and Diagnosis 2.
Description: Advanced assessment and diagnosis for psychologists.
Notes: Prerequisite: EDPC 615
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 714
Credit Weight: 3
Transcript Title: Theory/Models: Family Therapy
Calendar Title: Theory / Models: Family Therapy.
Description: For doctoral students in Counselling and School Psychology. Theoretical and therapeutic models in family therapy, core concepts and their relevance for application, intervention strategies, the child in family context, impact on school performance.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 720
Credit Weight: 3
Transcript Title: Consultation & Program Eval
Calendar Title: Consultation and Program Evaluation.
Description: Review and critique of current theories of consultation and program development. Focus is on application and strategies in the consultation process.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 780
Credit Weight: 6
Transcript Title: Supervision
Calendar Title: Supervision.
Description:
Instruction and practice in models and techniques of clinical supervision.
Notes:
Prerequisite(s): EDPC 625, EDPC 626, EDPC 782
Restriction: For Ph.D. students in Counselling Psychology and, with permission, in School/Applied Child Psychology.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 780D1
Credit Weight: 3
Transcript Title: Supervision
Calendar Title: Supervision.
Description:
Instruction and practice in models and techniques of clinical supervision.
Notes:
Prerequisites: EDPC 625, EDPC 626, EDPC 782
Restriction: For Ph.D. students in Counselling Psychology and, with permission, in School/Applied Child Psychology
Students must register for both EDPC 780D1 and EDPC 780D2
No credit will be given for this course unless both EDPC 780D1 and EDPC 780D2 are successfully completed in consecutive terms
EDPC 780D1 and EDPC 780D2 together are equivalent to EDPC 780
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 780D2
Credit Weight: 3
Transcript Title: Supervision
Calendar Title: Supervision.
Description:
See EDPC 780D1 for course description.
Notes:
Prerequisite: EDPC 780D1
No credit will be given for this course unless both EDPC 780D1 and EDPC 780D2 are successfully completed in consecutive terms
EDPC 780D1 and EDPC 780D2 together are equivalent to EDPC 780
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 782
Credit Weight: 6
Transcript Title: Doctoral Field Experience
Calendar Title: Doctoral Field Experience.
Description:
A 2-day/week, 2-term (minimum 500 hours) doctoral practicum integrating research,
theory, and supervised practica to provide a perspective for clinical work within
the field of counselling psychology. Skill development in counselling
intervention, assessment, treatment plans, etc. Clientele will be individuals,
families, and groups with a variety of concerns.

Notes:
Corequisite: EDPC 780
Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 782D1
Credit Weight: 3
Transcript Title: Doctoral Field Experience
Calendar Title: Doctoral Field Experience.
Description:
A 2-day/week, 2-term (minimum 500 hours) doctoral practicum integrating research,
theory, and supervised practica to provide a perspective for clinical work within
the field of counselling psychology. Skill development in counselling
intervention, assessment, treatment plans, etc. Clientele will be individuals,
families, and groups with a variety of concerns.

Notes:
Corequisite: EDPC 780D1
Students must register for both EDPC 782D1 and EDPC 782D2
No credit will be given for this course unless both EDPC 782D1 and EDPC 782D2 are
successfully completed in consecutive terms
EDPC 782D1 and EDPC 782D2 together are equivalent to EDPC 782
Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 782D2
Credit Weight: 3
Transcript Title: Doctoral Field Experience
Calendar Title: Doctoral Field Experience.
Description:
See EDPC 782D1 for course description.

Notes:
Prerequisite: EDPC 782D1
Corequisite: EDPC 780D2
No credit will be given for this course unless both EDPC 782D1 and EDPC 782D2 are
successfully completed in consecutive terms
EDPC 782D1 and EDPC 782D2 together are equivalent to EDPC 782
Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 783
Credit Weight: 3
Transcript Title: Doctoral Fieldwork 2
Calendar Title: Doctoral Fieldwork 2.
Description:
A community based practicum for students who have completed EDPC 782 to gain
additional intervention and/or assessment experience in supervised community
sites. Students complete a minimum of 125 client contact hours: supervision is
given in a minimum 1:5 ratio to client contact hours.

Notes:
Prerequisite: EDPC 782 or EDPC 782D1/D2
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 784
Credit Weight: 3
Transcript Title: Assessment Practicum
Calendar Title: Assessment Practicum.
Description: A community-based field placement that aims to increase and further develop competencies with respect to the administration, interpretation, and reporting of educational and psychological assessments using well-designed, validated, and appropriate tests and test batteries. These may include cognitive batteries, achievement test, personality inventories, and career measures chosen to address a particular referral question. The goal of this practicum is to enable the student to accumulate a minimum of 150 total hours, which would include 25 supervision hours.

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 786
Credit Weight: 6
Transcript Title: Proposal Preparation & Defense
Calendar Title: Proposal Preparation and Defense.
Description: Preparation and defense of a dissertation proposal that surveys relevant literature, develops a research question(s), identifies a methodology to test the question, and outlines the limitations and implications of the proposed work.
Notes: Prerequisite(s): EDPC 697, EDPC 698, EDPC 699

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 786D1
Credit Weight: 3
Transcript Title: Proposal Preparation & Defense
Calendar Title: Proposal Preparation and Defense.
Description: Preparation and defense of a dissertation proposal that surveys relevant literature, develops a research question(s), identifies a methodology to test the question, and outlines the limitations and implications of the proposed work.
Notes: Prerequisites: EDPC 697, EDPC 698, EDPC 699
Students must register for both EDPC 786D1 and EDPC 786D2
No credit will be given for this course unless both EDPC 786D1 and EDPC 786D2 are successfully completed in consecutive terms
EDPC 786D1 and EDPC 786D2 together are equivalent to EDPC 786.

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPC 786D2
Credit Weight: 3
Transcript Title: Proposal Preparation & Defense
Calendar Title: Proposal Preparation and Defense.
Description: See EDPC 786D1 for course description.
Notes: Prerequisite: EDPC 786D1
No credit will be given for this course unless both EDPC 786D1 and EDPC 786D2 are successfully completed in consecutive terms.
EDPC 786D1 and EDPC 786D2 together are equivalent to EDPC 786.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 795
Credit Weight: 24
Transcript Title: Pre-doctoral Internship
Calendar Title: Pre-doctoral Internship.
Description: Supervised internship (minimum 1600 hours). Study, observation, assessment and diagnosis, and practice in counselling psychology settings.
Notes: Prerequisites: all doctoral coursework
Note 1: Group seminar and individual conferences. May be accumulated over two years.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 795D1
Credit Weight: 12
Transcript Title: Pre-doctoral Internship
Calendar Title: Pre-doctoral Internship.
Description: Supervised internship (minimum 1600 hours). Study, observation, assessment and diagnosis, and practice in counselling psychology settings.
Notes: Prerequisite: all doctoral coursework
Group seminar and individual conferences. May be accumulated over two years.
Students must register for both EDPC 795D1 and EDPC 795D2
No credit will be given for this course unless both EDPC 795D1 and EDPC 795D2 are successfully completed in consecutive terms.
EDPC 795D1 and EDPC 795D2 together are equivalent to EDPC 795.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPC 795D2
Credit Weight: 12
Transcript Title: Pre-doctoral Internship
Calendar Title: Pre-doctoral Internship.
Description: See EDPC 795D1 for course description.
Notes: Prerequisite: EDPC 795D1
No credit will be given for this course unless both EDPC 795D1 and EDPC 795D2 are successfully completed in consecutive terms.
EDPC 795D1 and EDPC 795D2 together are equivalent to EDPC 795.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active
EDPD 250
Credit Weight: 2
Transcript Title: Students with Diverse Abilities
Calendar Title: Students with Diverse Abilities.
Description: Explore evidence-based methods of improving educational achievement and identifying and addressing the needs of students with learning disabilities, especially students with low general mental ability. Emphasis is on providing improved instruction for students with low general mental ability as it is applied in a heterogeneous regular education classroom; how to prevent, identify and provide interventions for students with a variety of issues that negatively affect schooling and academic achievement.
Notes: Number of contact hours: 14; number of outside hours: 4.
Language of instruction: English
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDPD 251
Credit Weight: 2
Transcript Title: Communicative Competence: ESL
Calendar Title: Communicative Competence: English as a Second Language.
Description: Development of an exemplary thematic unit that implements an empirically-proven model for form-focused, communicative teaching for English language teachers targeting grammar, reading, writing, listening and speaking. Exploration of methods of balancing classroom realities with empirically based prescriptions for communicative teaching. Enhancing the use of literacy texts to develop students' communicative competence. Use of the Noticing-Awareness-Practice model for integrating focus on form instruction into communicative teaching.
Notes: Number of contact hours: 14; number of outside hours 4.
Language of instruction: English
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDPD 252
Credit Weight: 2
Transcript Title: Competency-Based Training & Industry Benefits
Calendar Title: Competency-Based Training and Industry Benefits.
Description: Individual and organizational factors that affect the productivity of talent in an organization; effective management and deployment of learning solutions in the industry. Focus is on competency-based training (CBT) to help achieve better organizational results with high levels of knowledge-transfer consistency and criteria for acceptable performance.
Notes: Number of contact hours: 14; Number of outside hours: 3.
Language of instruction: English
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDPD 253
Credit Weight: 2
Transcript Title: Tchr Burnout: Retent to Sustain
Calendar Title: Teacher Burnout: Retention to Sustainability.

Description:
Examine concrete strategies to help administrators and teachers be more sustained, and in turn, more satisfied in their education careers. Exploration of trends and tendencies in research surrounding teacher attrition. Teacher induction and mentorship strategies to sustain teachers and administrators. Exploring strategies for negotiating unsustainable environments and creating sustainable working environments.

Notes:
Number of contact hours: 14; number of outside hours: 4.
Language of instruction: English
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDPD 254
Credit Weight: 4.5

Transcript Title: Course Design & Teaching Dev't
Calendar Title: Course Design and Teaching Development.

Description:
Promoting learning-centered teaching, and providing pedagogical tools to subject experts to orient teaching to attain specified and intended learning outcomes, especially outcomes related to soft skills such as problem-solving, reasoning, analytical thinking. Encouraging reflection on personal teaching style and learning from own practice, focusing on the outcome and sustainability of higher education and the knowledge, skills and competencies required of graduates.

Notes:
Number of contact hours: 30; number outside hours: 15.
Language of instruction: English
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDPD 255
Credit Weight: 2

Transcript Title: Inclusive Education
Calendar Title: Inclusive Education.

Description:
Introducing and clarifying the notion of Inclusive Education and exploring Universal Design for Learning (UDL). Designing inclusive environments and Individualized Education Plans (IEPs) and practicing the strategies that form the basis of inclusion.

Notes:
Number of contact hours: 14; outside hours: 4.
Language of instruction: English
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EDPD 256
Credit Weight: 2

Transcript Title: Motivating the Unmotivated
Calendar Title: Motivating the Unmotivated.

Description:
Exploration of various types of motivation, examination of why some students are
 unmotivated, and consideration of strategies teachers can implement in the classroom to address motivational issues. In-class activities provide the opportunity to implement the various strategies.

**Notes:**
Number of contact hours: 14; number of outside hours: 4.
Language of instruction: English

**Administering Faculty:** Faculty of Education
**Teaching Department:** Education - Dean's Office
**Status (catalog level):** Active

EDPD 257
**Credit Weight:** 2
**Transcript Title:** Self-Awareness in Pedagogy
**Calendar Title:** Self-Awareness in Pedagogy.
**Description:**
A theoretical look at pedagogy. Exploring and drawing on pre-service teachers’ knowledge and experiences to provide concrete steps to infuse personal value orientations and productivity styles into pedagogy. Strategic sessions on instruction, curriculum and assessment provide applied opportunities to further explore the inclusion of themselves and students in their pedagogy.

**Notes:**
Number of contact hours: 14; outside work hours: 4.
Language of instruction: English

**Administering Faculty:** Faculty of Education
**Teaching Department:** Education - Dean's Office
**Status (catalog level):** Active

EDPD 258
**Credit Weight:** 2
**Transcript Title:** Making Technology Educational
**Calendar Title:** Making Technology Educational.
**Description:**
Demonstration of why technology should be part of education by illustrating not only how a technology rich classroom prepares students to live and work in an increasingly technological society (i.e., digital citizenship), but how technology, when properly integrated into the classroom, can enhance both the efficiency and effectiveness of teaching through increased engagement (i.e., digital badging) and provide new types of learning opportunities. Incorporating both existing and emerging educational technologies into classrooms and providing concrete examples of educational technologies in action.

**Notes:**
Number of contact hours: 14; outside hours: 4.
Language of instruction: English

**Administering Faculty:** Faculty of Education
**Teaching Department:** Education - Dean's Office
**Status (catalog level):** Active

EDPD 259
**Credit Weight:** 2
**Transcript Title:** Real World Connections for the Math Classroom
**Calendar Title:** Real World Connections for the Math Classroom.
**Description:**
Exploring the importance and value of making connections in the mathematics classroom, namely through cross-curricular approaches and real world connections. Experience activities that can be used in the classroom that encourages students to see that mathematics is all around them. Group planning and discussion will consider how the ideas and activities presented may be adapted to meet the needs
of their students and the teaching context.

**Notes:**
Number of contact hours: 14; outside hours: 4.
Language of instruction: English

**Administering Faculty:** Faculty of Education

**Teaching Department:** Education - Dean's Office

**Status (catalog level):** Active

**EDPD 260**

**Credit Weight:** 2

**Transcript Title:** EnhEdcsWel-Bng:BstPractinActn

**Calendar Title:** Enhancing Educators’ Well-Being: Best Practices in Action.

**Description:**
Review of factors contributing to educator well-being using a positive psychology framework. Introduction to recognized core elements of best-practice programs for educator well-being with a focus on overcoming common challenges at the individual, classroom, school, and system level. Practice skills and strategies for use by educators and schools to ensure educator resilience and well-being in today’s stressful classroom/school environment.

**Notes:**
Number of contact hours: 14; outside hours: 4.
Language of instruction: English

**Administering Faculty:** Faculty of Education

**Teaching Department:** Education - Dean's Office

**Status (catalog level):** Active

**EDPD 261**

**Credit Weight:** 2

**Transcript Title:** EffectSchoolResp to Self-Injry

**Calendar Title:** Effective School Response to Self-Injury.

**Description:**
Covers the essentials of internationally recommended guidelines for school response to student self-injury. Uncovers the myths and misconceptions about the prevalence, gender differences and underlying causes of self-injury. A framework for school response is provided with specific training on identification, first response, early assessment, effective referral, school appropriate intervention and support. Recommendations are provided for managing common challenges such as student disclosure of scars, spread/contagion, parental notification and social media and self-injury.

**Notes:**
Number of contact hours: 14; outside hours: 4.
Language of instruction: English

**Administering Faculty:** Faculty of Education

**Teaching Department:** Education - Dean's Office

**Status (catalog level):** Active

**EDPD 262**

**Credit Weight:** 2

**Transcript Title:** Devel'g Comm in the Math Class

**Calendar Title:** Developing Communication in the Mathematics Classroom.

**Description:**
This course explores research-based techniques and strategies to support and increase students’ communication (written, verbal and visual) in the mathematics classroom. Group planning and discussions will consider how the ideas and activities presented may be adapted to meet the needs of students and personal teaching context.

**Notes:**
Number of contact hours: 14; outside hours: 4.
Language of instruction: English

**Administering Faculty**: Faculty of Education

**Teaching Department**: Education - Dean's Office

**Status (catalog level)**: Active

**EDPD 263**

**Credit Weight**: 2

**Transcript Title**: Spec Top: Global Trends in Educ

**Calendar Title**: Special Topics in Global Trends in Education.

**Description**: Special topics in global trends in education.

**Notes**:
Number of contact hours: 14; number of outside hours: 4.
Language of instruction: English.
Topic varies from year to year.

**Administering Faculty**: Faculty of Education

**Teaching Department**: Education - Dean's Office

**Status (catalog level)**: Active
EDPE 208
Credit Weight: 3
Transcript Title: Personality & Social Development
Calendar Title: Personality and Social Development.
Description:
Personality, social behavior, and moral development from nursery school up to, but not including, adolescence. Emphasis on aspects of personality and social development that are related to the process of schooling.
Notes:
Restriction: Not available for Psychology Major students or any student who has taken or is required to take PSYC 304 in the Psychology Department
Administering Faculty: Faculty of Education
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 300
Credit Weight: 3
Transcript Title: Educational Psychology
Calendar Title: Educational Psychology.
Description:
Selected theories, models, and concepts relevant to planning and reflecting upon educational practice and improvement. Overview of development, learning, thinking, motivation, individual difference, etc. In relation to applications in classroom teaching and learning, the complementary role of counsellors and psychologists, educational computing and technology. The Youth Protection Act.
Symbols: NAEL - Not available as an Education elective
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 304
Credit Weight: 3
Transcript Title: Measurement and Evaluation
Calendar Title: Measurement and Evaluation.
Description:
Symbols: LIMT - Limited enrolment
        CONC - Education - course could be acceptable in an academic concentration
Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 335
Credit Weight: 3
Transcript Title: Instructional Psychology
Calendar Title: Instructional Psychology.
Description:
Psychological processes in instruction and learning, assessment, and curriculum design, based on theories of cognition, motivation, and the social context of instruction.
Notes:
Prerequisites: An introductory course in psychology or EDPE 300
**Administering Faculty:** Faculty of Education  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

**EDPE 355**  
**Credit Weight:** 3  
**Transcript Title:** Cognition and Education  
**Calendar Title:** Cognition and Education.  
**Description:**  
Cognition and learning in educational domains and contexts. Contributions of cognitive science to issues in education including domain-specific and general knowledge and expertise, situated cognition and learning, cognitive apprenticeship, and uses of computers and networks as cognitive tools in educational settings.  
**Notes:**  
Prerequisites: PSYC 213 or permission of the instructor

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

**EDPE 375**  
**Credit Weight:** 3  
**Transcript Title:** Introductory Statistics  
**Calendar Title:** Introductory Statistics.  
**Description:**  
This online course provides an introduction to the fundamentals of descriptive and inferential statistics. Topics in descriptive statistics include introduction to statistics, measures of central tendency, variability and correlation. Topics in inferential statistics concentrate on basic procedures in between-group hypothesis testing using dependent and independent t-tests and within-group hypothesis testing using correlation.  
**Administering Faculty:** Faculty of Education  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

**EDPE 377**  
**Credit Weight:** 3  
**Transcript Title:** Adolescence and Education  
**Calendar Title:** Adolescence and Education.  
**Description:**  
Development of personality and social behaviour in adolescence. Problems relating to self-concept, academic achievement, relationships with others, and development of values in a changing culture. Some attention to current criticisms of the school as an agency involved in adolescent development.  
**Notes:**  
Offered through Continuing Education or Summer Studies

**Administering Faculty:** Faculty of Education  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

**EDPE 496**  
**Credit Weight:** 3  
**Transcript Title:** Individual Reading Course  
**Calendar Title:** Individual Reading Course.  
**Description:**  
Supervised individual reading course on an approved subject.
Symbols:  NAEL - Not available as an Education elective
Notes:  By arrangement with individual instructor. Permission must be obtained from the Department before registration
Administering Faculty:  Faculty of Education
Teaching Department:  Educational & Counselling Psych
Status (catalog level):  Active

EDPE 502
Credit Weight: 3
Transcript Title: Theories of Human Development
Calendar Title: Theories of Human Development.
Description:  Life course developmental theories to form a foundation for policy and for empirical and applied work with diverse groups, including disability and other equity-seeking groups.
Administering Faculty:  Faculty of Education
Teaching Department:  Educational & Counselling Psych
Status (catalog level):  Active

EDPE 515
Credit Weight: 3
Transcript Title: Gender Identity Development
Calendar Title: Gender Identity Development.
Description:  Theoretical models and empirical findings relevant to the development of gender identity. Special attention is given to the influence of peers in school settings. Psychological, physiological, parental, peer and cultural influences on gender identity.
Notes:  Offered through Continuing Education.
Administering Faculty:  Faculty of Education
Teaching Department:  Educational & Counselling Psych
Status (catalog level):  Active

EDPE 535
Credit Weight: 3
Transcript Title: Instructional Design
Calendar Title: Instructional Design.
Description:  This course draws on the fields of learning theory, developmental psychology, and measurement to focus on the tasks of constructing instructional materials. Areas to be considered include behaviour analysis, concept formation, and test construction.
Symbols:  ALTY - Taught in alternate years
Administering Faculty:  Faculty of Education
Teaching Department:  Educational & Counselling Psych
Status (catalog level):  Active

EDPE 550
Credit Weight: 3
Transcript Title: Consciousness & Virtual Reality
Calendar Title: Consciousness and Virtual Reality.
Description:  An exploration of the nature and role of consciousness from the virtual reality research perspective, and the implications of virtual reality and cyberspace in
Notes:
Restriction: Not open to students who have taken EDPE 650.

Archiving Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 555
Credit Weight: 3
Transcript Title: Socio-Cultural Fndns of LS
Calendar Title: Socio-Cultural Foundations of Learning Sciences.
Description:
Examination of foundational theories of the Learning Sciences including contributions by social constructivist theories. Implications of theory on methodologies for the Learning Sciences in general, and for educational and instructional contexts in particular.

Archiving Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 561
Credit Weight: 3
Transcript Title: Artificial Intell in Education
Calendar Title: Artificial Intelligence in Education.
Description:
An exploration of the principles of artificial intelligence as a metaphor for understanding conventional instructional and learning-processes. Topics include expert systems, intelligent computer-assisted instruction, tutoring systems, fifth-generation languages, and logic programming (e.g. Prolog). Lectures, discussion, demonstrations, and where possible site visits and hands-on experience will be provided.

Notes:
Restriction: Not open to students who have taken EDPE 660.

Archiving Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 575
Credit Weight: 3
Transcript Title: Statistics for Practitioners
Calendar Title: Statistics for Practitioners.
Description:
Understanding and interpreting basic statistical procedures used in basic and applied research, including graphs, measures of central tendency and variability, hypothesis testing, and correlations, t-tests, and basic ANOVA designs.

Notes:
Prerequisite EDPE 602

Archiving Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 595
Credit Weight: 3
Transcript Title: Seminar in Special Topics 1
Calendar Title: Seminar in Special Topics 1.
Description:
The content of the seminar will vary from year to year and will be announced prior...
The seminar may be given by a single instructor or by a group, as the occasion warrants.

Symbols:  
LIMT - Limited enrolment  
PRMT - Requires departmental approval

Notes:  
Administering Faculty: Faculty of Education  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active

EDPE 596  
Credit Weight: 3  
Transcript Title: Seminar in Special Topics 2  
Calendar Title: Seminar in Special Topics 2.  
Description: Seminar in selected topics in Educational and Counselling Psychology. The topic will vary from year and will be announced prior to registration.  
Symbols:  
LIMT - Limited enrolment  
PRMT - Requires departmental approval

Notes:  
Administering Faculty: Faculty of Education  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active

EDPE 602  
Credit Weight: 3  
Transcript Title: Uses of Res Findings in Educ  
Calendar Title: Uses of Research Findings in Education.  
Description: Basic concepts of educational research for the student who is likely to be a regular consumer of research but only an occasional generator of research and will be able to use common tools of information retrieval.  
Notes:  
Administering Faculty: Graduate Studies  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active

EDPE 604  
Credit Weight: 3  
Transcript Title: Thesis 1  
Calendar Title: Thesis 1.  
Description: Literature survey and thesis planning.  
Notes:  
Administering Faculty: Graduate Studies  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active

EDPE 605  
Credit Weight: 3  
Transcript Title: Research Methods  
Calendar Title: Research Methods.  
Description: Research methods and designs, planning and evaluating research, relations between research and statistical designs, interdisciplinary and nonquantitative approaches, meta-analysis, and the use of computers beyond computation. Ethics, scholarly writing.  
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 607
Credit Weight: 3
Transcript Title: Thesis 2
Calendar Title: Thesis 2.
Description: Preparation of a thesis proposal.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 609
Credit Weight: 3
Transcript Title: Selected Topics in Ed Psych
Calendar Title: Selected Topics in Educational Psychology.
Description: A detailed examination of recent developments in specific topics of educational psychology. The content of the seminar will vary from year to year and will be announced prior to registration.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 616
Credit Weight: 3
Transcript Title: Cognitive Development
Calendar Title: Cognitive Development.
Description: Assessment of theories of cognitive development including Piagetian, neo-Piagetian, and information-processing approaches. Theoretical models and empirical findings, and their application to educational and other settings.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 619
Credit Weight: 3
Transcript Title: Child & Adolescent Therapy
Calendar Title: Child and Adolescent Therapy.
Description: Therapeutic models for individual and group interventions for children and adolescents; case histories; gender and cultural minority issues; emphasis on classical and innovative strategies and methods for school and counselling psychologists.
Notes: Restriction: For School/Applied Child Psychology students only.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 620
Credit Weight: 3
Transcript Title: Developmental Psychopathology
Calendar Title: Developmental Psychopathology.
Description: Theory, research, and practice in developmental processes in the study of psychopathology, including aberrant behaviour in childhood, at-risk and resilient children, and mental illness.
Notes: Prerequisite: EDPE 615
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 622
Credit Weight: 3
Transcript Title: Multiculturalism & Gender
Calendar Title: Multiculturalism and Gender.
Description: Multicultural, multilingual and gender issues as they relate to the practising school and counselling psychologist. Implications and their impact in assessment, research, training, and intervention.
Notes: Restriction: Open to School/ Applied Child and Counselling Psychology students only
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 623
Credit Weight: 3
Transcript Title: Social-Emotional Development
Calendar Title: Social-Emotional Development.
Description: Social-emotional development including temperament, attachment, gender identity, and peer relations. Biological and environmental influences, continuity and change, and qualitative versus quantitative variables.
Notes: Prerequisites: EDPE 615, EDPE 616 or EDPE 620
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 625
Credit Weight: 3
Transcript Title: Practicum 1: School Psychology
Calendar Title: Practicum 1: School Psychology.
Description: Clinic experiences (normally 8-10 hours/week) (a) conducting assessment batteries, (b) interpreting assessment findings and developing intervention plans, (c) providing remedial services for specific learning domains and practical recommendations, (d) acquiring skills in group intervention techniques. Weekly case review and student progress meetings.
Notes: Prerequisites: EDPC 609, EDPC 610, EDPC 618, EDPI 654, EDPE 611, EDPE 616. Corequisites: EDPC 682, EDPE 620. Students taking courses which access the ECP Assessment Materials Resource Centre
are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $60.

Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 626
Credit Weight: 3
Transcript Title: Practicum 2: School Psychology
Calendar Title: Practicum 2: School Psychology.
Description:
Clinic experiences (normally 8-10 hours/week) building upon EDPE 625: (a) conducting assessment batteries, (b) interpreting assessment findings and developing intervention plans, (c) providing remedial services for specific learning domains and practical recommendations, (d) acquiring skills in group intervention techniques. Weekly case review and student progress meetings. May continue to the end of the public school year.

Notes:
Prerequisites: EDPE 620, EDPE 625.
Corequisite: EDPC 682

Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee in Winter 2018 is $60.

Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 627
Credit Weight: 3
Transcript Title: Ethical & Prof Pract of Psych
Calendar Title: Ethical and Professional Practice of Psychology.
Description:
Ethics and the professional and governmental structures regulating the practice of psychology in Quebec, Canada, and North America and their relation to the work of psychologists. Required for licensing as a psychologist.

Notes:
Prerequisite: EDPE 575 or equivalent

Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 632D1
Credit Weight: 0
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
A bi-weekly seminar course given by staff, invited speakers and senior graduate students in different areas of research related to Human Development. Students are expected to participate by reading pertinent literature prior to seminars and asking questions at each seminar. Attendance is compulsory, and the course
is graded pass/fail based on participation.

Notes:
Students must register for both EDPE 632D1 and EDPE 632D2.
No credit will be given for this course unless both EDPE 632D1 and EDPE 632D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 632D2
Credit Weight: 0
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
For description see EDPE 632D1.
Notes:
Prerequisite: EDPE 632D1
No credit will be given for this course unless both EDPE 632D1 and EDPE 632D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 633
Credit Weight: 3
Transcript Title: Research Internship 1
Calendar Title: Research Internship 1.
Description:
This course provides students with applied research experience under the supervision of a researcher other than their academic supervisor over the duration of 150 hours. Nature of the research internship will be contracted with the research internship supervisor, documented, and approved by the supervisor and program director.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 634
Credit Weight: 3
Transcript Title: Research Internship 2
Calendar Title: Research Internship 2.
Description:
This course provides students with applied research experience under the supervision of a researcher other than their academic supervisor over the duration of 150 hours. Nature of the research internship will be contracted with the research internship supervisor, documented, and approved by the supervisor and program director.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 635
Credit Weight: 3
Transcript Title: Theories of Learning & Instruction
Calendar Title: Theories of Learning and Instruction.
Description:
An analysis of the relationship between theory and research about learning and
teaching from a historical perspective.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 636**  
**Credit Weight:** 3  
**Transcript Title:** Motivation and Instruction  
**Calendar Title:** Motivation and Instruction  
**Description:** Instructional effects on motivation and emotions and their implications for educational practice, with particular emphasis on socio-cultural and constructivist practices, classroom interaction, and teacher impact.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 637**  
**Credit Weight:** 3  
**Transcript Title:** Issues in Health Profes Educ  
**Calendar Title:** Issues in Health Professions Education  
**Description:** An overview of health professions education issues, including: learning and assessment in the clinical setting, medical core competencies, design, delivery and evaluation of health professions education programs, organization & management of health professions education programs and systems, organizational change and leadership, clinical reasoning and decision making, interdisciplinary education.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 640**  
**Credit Weight:** 3  
**Transcript Title:** Emrgng Technos for Educl Chnge  
**Calendar Title:** Emerging Technologies for Educational Change  
**Description:** Interdisciplinary learning theories; working with and evaluating emerging digital technologies and interfaces that impact teaching and learning.  
**Symbols:** ALTY - Taught in alternate years  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 656**  
**Credit Weight:** 3  
**Transcript Title:** Appl Theory/Methods in the LS  
**Calendar Title:** Applied Theory/Methods in the Learning Sciences  
**Description:** Foundational and current theories and methodologies applied to understanding human cognition and learning. An overview of experimental, observational, and physiological research designs, methods, and analyses.  

**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 657**
Credit Weight: 3
Transcript Title: Lrng, Cogntn, & Motvatn in HSE
Calendar Title: Learning, Cognition, and Motivation in Health Sciences Educ.
Description: Introduction to foundational psychological and educational theories relevant to health sciences education that can account for learning and change and can inform the pedagogical design of courses, programs, and educational environments.
Notes: 1. The blended format requires a total of 130 hours of learning time. This will be achieved by 20 hours of face-to-face instruction, 60 hours of on-line synchronous and asynchronous instruction, and 50 hours of individual work including readings, assignments and projects.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 658
Credit Weight: 3
Transcript Title: Intro to HSE Currclm&Prog Dev
Calendar Title: Introduction to HSE Curriculum and Program Development.
Description: Instructional design principles and their application to course and program development, highlighting a learner-centered approach to teaching, curriculum design, and program development (e.g., competency-based curriculum) and specific approaches to delivery in diverse health sciences education contexts in which teaching and learning occur (e.g., simulation, classroom, clinical settings).
Notes: Prerequisite: EDPE 657
1. The blended format requires a total of 130 hours of learning time. This will be achieved by 20 hours of face-to-face instruction, 60 hours of online synchronous and asynchronous instruction, and 50 hours of individual work including readings, assignments and projects.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 659
Credit Weight: 3
Transcript Title: Intro to Assmt and Eval in HSE
Calendar Title: Introduction to Assessment and Evaluation in HSE.
Description: Introductory principles and issues related to assessment, and also specific to the workplace-based contexts specific to health sciences education (HSE). Concepts include: creating and using assessments for decision-making; generating feedback for learners; and examining the quality of assessments, and critical assessment literacy on the uses and interpretations of assessment in HSE. Basic principles of program evaluation, introduction to several frameworks used to guide its design, and key steps in formulating an evaluation plan.
Notes: Prerequisite: EDPE 658
1. The blended format requires a total of 130 hours of learning time. This will be achieved by 20 hours of face-to-face instruction, 60 hours of on-line synchronous and asynchronous instruction, and 50 hours of individual work including readings, assignments and projects.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 663
Credit Weight: 3
Transcript Title: Learning Environments
Calendar Title: Learning Environments.
Description: Research on digital environments and tools (e.g., online, mobile) that support learning and developing expertise. Evaluation and application of theory and research on technology-rich educational environments focusing on underlying cognitive and social processes.
Notes:
Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 664
Credit Weight: 3
Transcript Title: Expertise, Reasoning & Problem Solving
Calendar Title: Expertise, Reasoning and Problem Solving.
Description: Current research on the development of expertise, problem solving, and reasoning in formal and informal educational settings, exploring cognitive, interpersonal, and socio-cultural dimensions. Introduction to methodologies for analyzing data related to cognitive processes.
Notes:
Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 666
Credit Weight: 3
Transcript Title: Foundations of Learning Science
Calendar Title: Foundations of Learning Science.
Description: An introduction to theory and research pertaining to the interdisciplinary study of the learning sciences. Focuses on cognitive-psychological and social-psychological foundations of human learning, as well as on the design of learning environments.
Notes:
Administrating Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 668
Credit Weight: 3
Transcript Title: Adv. Seminar in Learning Sci.
Calendar Title: Advanced Seminar in Learning Sciences.
Description: Critical analysis and synthesis of contemporary theoretical and empirical research in educational psychology and cognate areas. Topics addressed for each offering may change as a function of current debates and issues in the educational literature. Examples of topics would be motivation, assessment, epistemology, self-regulated learning, and metacognition.
Notes:
Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 670
Credit Weight: 3
Transcript Title: Educational Assessment&Eval
Calendar Title: Educational Assessment and Evaluation.
Description:
Theories and models of evaluation as applied to educational programs and instructional systems. Current theories of aligning assessment with curriculum and instruction goals based on the cognitive competencies required in specific practices.
Notes:
Prerequisite: EDPE 635
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 672
Credit Weight: 3
Transcript Title: Human Development Seminar 1
Calendar Title: Human Development Seminar 1.
Description:
Theories and developments in the science of human development within the context of research and practice and the evolution of the field at large.
Notes:
Prerequisite: EDPE 502 or permission of the instructor (Minimum Grade/Test score(s) needed is B-).
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 673
Credit Weight: 3
Transcript Title: Human Development Seminar 2
Calendar Title: Human Development Seminar 2.
Description:
Continuation of theories and developments in the science of human development within the context of research and practice and evolution of the field at large.
Notes:
Prerequisite: EDPE 672 (Minimum Grade/Test score(s) needed is B-).
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 676
Credit Weight: 3
Transcript Title: Intermediate Statistics
Calendar Title: Intermediate Statistics.
Description:
Concepts and procedures of conducting basic descriptive and inferential statistics, including analysis of variance, correlation, and regression models. Provides experience with data-analysis tools.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
EDPE 682
Credit Weight: 3
Transcript Title: Univariate/Multivariate Anal
Calendar Title: Univariate/Multivariate Analysis.
Description:
General linear model as a unified data analytic system for estimation and hypothesis testing that subsumes regression, analysis of variance, and analysis of covariance for single dependent variables. Introduction to generalizations involving multiple dependent (criterion) variables. Applications oriented toward education, educational psychology and counselling psychology. Experience with data-analysis tools.
Notes:
Prerequisite: EDPE 676
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 683
Credit Weight: 3
Transcript Title: Human Development Seminar 3
Calendar Title: Human Development Seminar 3.
Description:
Recent developments of specific topics in human development.
Notes:
Prerequisite: EDPE 673 (Minimum Grade/Test score(s) needed is B-).
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 684
Credit Weight: 3
Transcript Title: Applied Multivariate Statistics
Calendar Title: Applied Multivariate Statistics.
Description:
Principal methods, models, and hypothesis-testing procedures for the prediction and analysis of patterns, structure, and relationships in multivariate data (e.g., factor and path analysis, structural equation modeling, multi-level modeling). Applications oriented toward education and educational and counselling psychology. Provides experience with data analysis tools.
Notes:
Prerequisite: EDPE 682 or equivalent.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 686
Credit Weight: 3
Transcript Title: Human Development Seminar 4
Calendar Title: Human Development Seminar 4.
Description:
Continuation of recent developments of specific topics in human development.
Notes:
Prerequisite: EDPE 683 (Minimum Grade/Test score(s) needed is B-).
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 687
Credit Weight: 3
Transcript Title: Qualitative Methods in Ed Psyc
Calendar Title: Qualitative Methods in Educational Psychology.
Description:
The logics of design and selection of phenomenology, grounded theory, ethnography, case study and mixed design methods with emphasis on data analysis in light of issues of research purpose, epistemology, reliability and validity.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 691
Credit Weight: 3
Transcript Title: Reading Course
Calendar Title: Reading Course.
Description:
Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 692
Credit Weight: 6
Transcript Title: Reading Course
Calendar Title: Reading Course.
Description:
Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 692D1
Credit Weight: 3
Transcript Title: Reading Course
Calendar Title: Reading Course.
Description:
Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.
Notes:
Students must register for both EDPE 692D1 and EDPE 692D2
No credit will be given for this course unless both EDPE 692D1 and EDPE 692D2 are successfully completed in consecutive terms
EDPE 692D1 and EDPE 692D2 together are equivalent to EDPE 692
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 692D2
Credit Weight: 3
Transcript Title: Reading Course
Calendar Title: Reading Course.
Description:
See EDPE 692D1 for course description.
Notes:
Prerequisite: EDPE 692D1
No credit will be given for this course unless both EDPE 692D1 and EDPE 692D2 are successfully completed in consecutive terms
EDPE 692D1 and EDPE 692D2 together are equivalent to EDPE 692
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 693
Credit Weight: 3
Transcript Title: Thesis 3
Calendar Title: Thesis 3.
Description:
Thesis research under supervision of a research director.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 694
Credit Weight: 3
Transcript Title: Thesis 4
Calendar Title: Thesis 4.
Description:
Thesis research under supervision of a research director.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 695
Credit Weight: 6
Transcript Title: Thesis 5
Calendar Title: Thesis 5.
Description:
Thesis research under supervision of a research director.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDPE 695D1
Credit Weight: 3
Transcript Title: Thesis 5
Calendar Title: Thesis 5.
Description:
Thesis research under supervision of a research director.
Notes:
Students must register for both EDPE 695D1 and EDPE 695D2
No credit will be given for this course unless both EDPE 695D1 and EDPE 695D2 are
success completed in consecutive terms
EDPE 695D1 and EDPE 695D2 together are equivalent to EDPE 695

**Administering Faculty:** Graduate Studies
**Teaching Department:** Educational&Counselling Psych
**Status (catalog level):** Active

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**EDPE 695D2**
**Credit Weight:** 3
**Transcript Title:** Thesis 5
**Calendar Title:** Thesis 5.
**Description:**
See EDPE 695D1 for course description.
**Notes:**
Prerequisite: EDPE 695D1
No credit will be given for this course unless both EDPE 695D1 and EDPE 695D2 are successfully completed in consecutive terms
EDPE 695D1 and EDPE 695D2 together are equivalent to EDPE 695

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**EDPE 696**
**Credit Weight:** 6
**Transcript Title:** Thesis 6
**Calendar Title:** Thesis 6.
**Description:**
Thesis research under supervision of a research director.
**Notes:**
**Administering Faculty:** Graduate Studies
**Teaching Department:** Educational&Counselling Psych
**Status (catalog level):** Active

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**EDPE 696D1**
**Credit Weight:** 3
**Transcript Title:** Thesis 6
**Calendar Title:** Thesis 6.
**Description:**
Thesis research under supervision of a research director.
**Notes:**
Students must register for both EDPE 696D1 and EDPE 696D2
No credit will be given for this course unless both EDPE 696D1 and EDPE 696D2 are successfully completed in consecutive terms
EDPE 696D1 and EDPE 696D2 together are equivalent to EDPE 696

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**EDPE 696D2**
**Credit Weight:** 3
**Transcript Title:** Thesis 6
**Calendar Title:** Thesis 6.
**Description:**
See EDPE 696D1 for course description.
**Notes:**
Prerequisite: EDPE 696D1
No credit will be given for this course unless both EDPE 696D1 and EDPE 696D2 are successfully completed in consecutive terms
EDPE 696D1 and EDPE 696D2 together are equivalent to EDPE 696

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 697

Credit Weight: 6
Transcript Title: Special Activity 1
Calendar Title: Special Activity 1.
Description:
A project relevant to improving educational practice. It may be an internship, a research project, or an innovation in teaching, supervised by the student's advisor and with the approval of the department. It is completed by the submission of a project report, monograph, or production. For M.Ed. students only.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 697D1

Credit Weight: 3
Transcript Title: Special Activity 1
Calendar Title: Special Activity 1.
Description:
A project relevant to improving educational practice. It may be an internship, a research project, or an innovation in teaching, supervised by the student's advisor and with the approval of the department. It is completed by the submission of a project report, monograph, or production. For M.Ed. students only.
Notes:
Students must register for both EDPE 697D1 and EDPE 697D2
No credit will be given for this course unless both EDPE 697D1 and EDPE 697D2 are successfully completed in consecutive terms
EDPE 697D1 and EDPE 697D2 together are equivalent to EDPE 697

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 697D2

Credit Weight: 3
Transcript Title: Special Activity 1
Calendar Title: Special Activity 1.
Description:
See EDPE 697D1 for course description.
Notes:
Prerequisite: EDPE 697D1
No credit will be given for this course unless both EDPE 697D1 and EDPE 697D2 are successfully completed in consecutive terms
EDPE 697D1 and EDPE 697D2 together are equivalent to EDPE 697

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 698

Credit Weight: 6
Transcript Title: Special Activity 2
Calendar Title: Special Activity 2.
Description: A project relevant to improving educational practice. It may be an internship, a research project, or an innovation in teaching, supervised by the student's advisor and with the approval of the department. It is completed by the submission of a project report, monograph, or production. For M.Ed. students only.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 698D1
Credit Weight: 3
Transcript Title: Special Activity 2
Calendar Title: Special Activity 2.
Description: A project relevant to improving educational practice. It may be an internship, a research project, or an innovation in teaching supervised by the student's advisor and with the approval of the department. It is completed by the submission of a project report, monograph, or production. For M.Ed. students only.

Notes: Students must register for both EDPE 698D1 and EDPE 698D2
No credit will be given for this course unless both EDPE 698D1 and EDPE 698D2 are successfully completed in consecutive terms
EDPE 698D1 and EDPE 698D2 together are equivalent to EDPE 698

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 699D1
Credit Weight: 6
Transcript Title: Special Activity
Calendar Title: Special Activity.
Description: A project relevant to improving educational practice. It may be an internship, a research project, or an innovation in teaching supervised by the student's advisor and with the approval of the department. It is completed by the submission of a project report, monograph, or production.

Notes: Restrictions: Only open to M.Ed. students. Not open to students who have taken EDPE 697 and EDPE 698.
Students must register for EDPE 699D1 and EDPE 699D2.
No credit will be given for this course unless both EDPE 699D1 and EDPE 699D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

### EDPE 699D2

**Credit Weight:** 6  
**Transcript Title:** Special Activity  
**Calendar Title:** Special Activity.  
**Description:**  
A project relevant to improving educational practice. It may be an internship, a research project, or an innovation in teaching supervised by the student's advisor and with the approval of the department. It is completed by the submission of a project report, monograph, or production.  
**Notes:**  
Restrictions: Only open to M.Ed. students. Not open to students who have taken EDPE 697 and EDPE 698.  
Prerequisite: EDPE 699D1  
No credit will be given for this course unless both EDPE 699D1 and EDPE 699D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

### EDPE 704

**Credit Weight:** 3  
**Transcript Title:** Professional Dvlpmnt Seminar 1  
**Calendar Title:** Professional Development Seminar 1.  
**Description:**  
Professional development topics including literature search strategies, academic writing techniques, employment preparation (academic and non-academic), and current research topics (e.g., publishing, open science). Consideration of conceptual and methodological issues relevant to students¿ proposed dissertations. Preparation for the comprehensive examination and initial doctoral research proposal.  
**Symbols:** PRMT - Requires departmental approval  
**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational&Counselling Psych  
**Status (catalog level):** Active

### EDPE 705

**Credit Weight:** 3  
**Transcript Title:** Professional Dvlpmnt Seminar 2  
**Calendar Title:** Professional Development Seminar 2.  
**Description:**  
Professional development topics including literature search strategies, academic writing techniques, employment preparation (academic and non-academic), and current research topics (e.g., publishing, open science). Consideration of conceptual and methodological issues relevant to students¿ proposed dissertations. Preparation for the comprehensive examination and initial doctoral research proposal.  
**Symbols:** PRMT - Requires departmental approval  
**Notes:**  
Restrictions: Open to doctoral students only
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 706
Credit Weight: 3
Transcript Title: Professional Dvlpment Seminar 3
Calendar Title: Professional Development Seminar 3.
Description: Professional development topics including literature search strategies, academic writing techniques, employment preparation (academic and non-academic), and current research topics (e.g., publishing, open science). Consideration of conceptual and methodological issues relevant to students’ proposed dissertations. Preparation for the comprehensive examination and initial doctoral research proposal.
Symbols: PRMT - Requires departmental approval
Notes: Restrictions: Open to doctoral students only

EDPE 707
Credit Weight: 3
Transcript Title: Professional Dvlpment Seminar 4
Calendar Title: Professional Development Seminar 4.
Description: Professional development topics including literature search strategies, academic writing techniques, employment preparation (academic and non-academic), and current research topics (e.g., publishing, open science). Consideration of conceptual and methodological issues relevant to students’ proposed dissertations. Preparation for the comprehensive examination and initial doctoral research proposal.
Symbols: PRMT - Requires departmental approval
Notes: Prerequisites: EDPE 704 - Advanced Research Seminar 1, EDPE 705 - Advanced Research Seminar 2, EDPE 706 - Advanced Research Seminar 3
Restrictions: Open to doctoral students only

EDPE 708
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: A four-part evaluation which is normally taken at the end of the Ph.D. 2 year. A detailed description of the examination is provided to all students.
Notes: 

EDPE 708D1
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description:
A four-part evaluation which is normally taken at the end of the Ph.D. 2 year. A detailed description of the examination is provided to all students.
Notes:
Students must register for both EDPE 708D1 and EDPE 708D2
No credit will be given for this course unless both EDPE 708D1 and EDPE 708D2 are successfully completed in consecutive terms
EDPE 708D1 and EDPE 708D2 together are equivalent to EDPE 708
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 708D2
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description:
See EDPE 708D1 for course description.
Notes:
Prerequisite: EDPE 708D1
No credit will be given for this course unless both EDPE 708D1 and EDPE 708D2 are successfully completed in consecutive terms
EDPE 708D1 and EDPE 708D2 together are equivalent to EDPE 708
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 710
Credit Weight: 3
Transcript Title: Consultation in School Psych
Calendar Title: Consultation in School Psychology.
Description:
Open only to students in School/Applied Child Psychology and with permission, Counselling Psychology and Special Populations Major. A clinical course on the use of consultation in educational and school-related settings. Topics include: consultation theory, the process of evaluations of the consultation process and outcomes, critical study of relevant research and practice. Includes problem identification, problem analysis, treatment implementation, and treatment evaluation of one case.
Notes:
Corequisites: EDPE 625, EDPE 626 or equivalent.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 712
Credit Weight: 3
Transcript Title: Neur Base of Behav Across Life
Calendar Title: Neurological Bases of Behaviour Across Lifespan.
Description:
Neurobiological changes specific to developmental, learning, psychiatric and neurodegenerative conditions with clinical onset across the lifespan examined within environmental and psychosocial contexts. Uses of current neuromodulatory and pharmacological remediation discussed in addition to clinical/educational
intervention.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 713**  
**Credit Weight:** 2  
**Transcript Title:** Language Acquisition Issues 5  
**Calendar Title:** Language Acquisition Issues 5.  
**Description:** Seminar on language science controversies and their associating literature, and practical implications in education and learning in general.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 721**  
**Credit Weight:** 6  
**Transcript Title:** School Psychology: Elementary  
**Calendar Title:** School Psychology: Elementary.  
**Description:** Open only to Ph.D. students in School/Applied Child Psychology. Field experience. Two days or 16 hours per week supervised by faculty members and a field supervisor in a school providing elementary education. Weekly class meetings. Students must also register for either EDPE 722 or EDPE 723 in the same academic year.  
**Notes:**  
Prerequisite: EDPE 626  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 721D1**  
**Credit Weight:** 3  
**Transcript Title:** School Psychology: Elementary  
**Calendar Title:** School Psychology: Elementary.  
**Description:** Open only to Ph.D. students in School/Applied Child Psychology. Field experience. Two days or 16 hours per week supervised by faculty members and a field supervisor in a school providing elementary education. Weekly class meetings. Students must also register for either EDPE 722 or EDPE 723 in the same academic year.  
**Notes:**  
Prerequisite: EDPE 626  
Students must register for both EDPE 721D1 and EDPE 721D2  
No credit will be given for this course unless both EDPE 721D1 and EDPE 721D2 are successfully completed in consecutive terms  
EDPE 721D1 and EDPE 721D2 together are equivalent to EDPE 721  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDPE 721D2**  
**Credit Weight:** 3  
**Transcript Title:** School Psychology: Elementary  
**Calendar Title:** School Psychology: Elementary.  
**Description:** See EDPE 721D1 for course description.  
**Notes:**
Prerequisite: EDPE 721D1
No credit will be given for this course unless both EDPE 721D1 and EDPE 721D2 are successfully completed in consecutive terms
EDPE 721D1 and EDPE 721D2 together are equivalent to EDPE 721

Administering Faculty: Graduate Studies

Teaching Department: Educational&Counselling Psych

Status (catalog level): Active

EDPE 722
Credit Weight: 6

Transcript Title: School Psychology: Secondary

Calendar Title: School Psychology: Secondary.

Description:
Open only to Ph.D. students in School/Applied Child Psychology. Field experience. Two days or 16 hours per week supervised by faculty members and a field supervisor in a school providing secondary education. Weekly class meetings. Students must also register for either EDPE 721 or EDPE 723 in the same academic year.

Notes:
Prerequisite: EDPE 626

Administering Faculty: Graduate Studies

Teaching Department: Educational&Counselling Psych

Status (catalog level): Active

EDPE 722D1
Credit Weight: 3

Transcript Title: School Psychology: Secondary

Calendar Title: School Psychology: Secondary.

Description:
Open only to Ph.D. students in School/Applied Child Psychology. Field experience. Two days or 16 hours per week supervised by faculty members and a field supervisor in a school providing secondary education. Weekly class meetings. Students must also register for either EDPE 721 or EDPE 723 in the same academic year.

Notes:
Prerequisite: EDPE 626
Students must register for both EDPE 722D1 and EDPE 722D2
No credit will be given for this course unless both EDPE 722D1 and EDPE 722D2 are successfully completed in consecutive terms
EDPE 722D1 and EDPE 722D2 together are equivalent to EDPE 722

Administering Faculty: Graduate Studies

Teaching Department: Educational&Counselling Psych

Status (catalog level): Active

EDPE 722D2
Credit Weight: 3

Transcript Title: School Psychology: Secondary

Calendar Title: School Psychology: Secondary.

Description:
See EDPE 722D1 for course description.

Notes:
Prerequisite: EDPE 722D1
No credit will be given for this course unless both EDPE 722D1 and EDPE 722D2 are successfully completed in consecutive terms
EDPE 722D1 and EDPE 722D2 together are equivalent to EDPE 722

Administering Faculty: Graduate Studies

Teaching Department: Educational&Counselling Psych

Status (catalog level): Active
EDPE 723
Credit Weight: 6
Transcript Title: School Psychology: Community
Calendar Title: School Psychology: Community.
Description:
Open only to Ph.D. students in School/Applied Child Psychology. Field experience. Two days or 16 hours per week supervised by faculty members and a field supervisor in an educationally relevant community or institutional setting. Weekly class meetings. Students must also register for either EDPE 721 or EDPE 722 in the same academic year.
Notes:
Prerequisite: EDPE 626
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 723D1
Credit Weight: 3
Transcript Title: School Psychology: Community
Calendar Title: School Psychology: Community.
Description:
Open only to Ph.D. students in School/Applied Child Psychology. Field experience. Two days or 16 hours per week supervised by faculty members and a field supervisor in a school providing secondary education. Weekly class meetings. Students must also register for either EDPE 721 or EDPE 723 in the same academic year.
Notes:
Prerequisite: EDPE 626
Students must register for both EDPE 723D1 and EDPE 723D2
No credit will be given for this course unless both EDPE 723D1 and EDPE 723D2 are successfully completed in consecutive terms
EDPE 723D1 and EDPE 723D2 together are equivalent to EDPE 723
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 723D2
Credit Weight: 3
Transcript Title: School Psychology: Community
Calendar Title: School Psychology: Community.
Description:
See EDPE 723D1 for course description.
Notes:
Prerequisite: EDPE 723D1
No credit will be given for this course unless both EDPE 723D1 and EDPE 723D2 are successfully completed in consecutive terms
EDPE 723D1 and EDPE 723D2 together are equivalent to EDPE 723
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 725
Credit Weight: 12
Transcript Title: Internship 1-School Psychology
Calendar Title: Internship 1 - School Psychology.
Description:
Open only to Ph.D. students in School/Applied Child Psychology. A 2 1/2 day, 10-to 12-month supervised internship (minimum 600 hours) including assessment and diagnosis normally in a school-based setting. This also includes group supervision to discuss cases that arise in internship settings. May be combined with EDPE 726 in a single full-time year long internship; this full-time pattern is typical in accredited sites.

Notes:
Prerequisites: EDPE 708 and two of EDPE 721, EDPE 722 or EDPE 723

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 725D1
Credit Weight: 6
Transcript Title: Internship 1-School Psychology
Calendar Title: Internship 1 - School Psychology.
Description:
Open only to Ph.D. students in School/Applied Child Psychology. A 2 1/2 day, 10-to 12-month supervised internship (minimum 600 hours) including assessment and diagnosis normally in a school-based setting. This also includes group supervision to discuss cases that arise in internship settings. May be combined with EDPE 726 in a single full-time year long internship; this full-time pattern is typical in accredited sites.

Notes:
Prerequisites: EDPE 708 and two of EDPE 721, EDPE 722 or EDPE 723
Students must register for both EDPE 725D1 and EDPE 725D2
No credit will be given for this course unless both EDPE 725D1 and EDPE 725D2 are successfully completed in consecutive terms
EDPE 725D1 and EDPE 725D2 together are equivalent to EDPE 725

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 725D2
Credit Weight: 6
Transcript Title: Internship 1-School Psychology
Calendar Title: Internship 1 - School Psychology.
Description:
See EDPE 725D1 for course description.

Notes:
Prerequisite: EDPE 725D1
No credit will be given for this course unless both EDPE 725D1 and EDPE 725D2 are successfully completed in consecutive terms
EDPE 725D1 and EDPE 725D2 together are equivalent to EDPE 725

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 726
Credit Weight: 12
Transcript Title: Internship 2-School Psychology
Calendar Title: Internship 2 - School Psychology.
Description:
Open only to Ph.D. students in School/Applied Child Psychology. A 2 1/2 day, 10-to 12-month supervised internship (minimum 600 hours) including assessment and diagnosis normally in an educationally relevant community-based centre (e.g.,
hospital, clinic), group supervision, case discussions. May be combined with EDPE 725 in a single full-time year long internship; this full-time pattern is typical in accredited sites.

Notes:
Prerequisites: EDPE 708 and two of EDPE 721, EDPE 722 or EDPE 723

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 726D1
Credit Weight: 6
Transcript Title: Internship 2-School Psychology
Calendar Title: Internship 2 - School Psychology.
Description:
Open only to Ph.D. students in School/Applied Child Psychology. A 2 1/2 day, 10- to 12-month supervised internship (minimum 600 hours) including assessment and diagnosis normally in an educationally relevant community-based center (e.g., hospital, clinic), group supervision, case discussions. May be combined with EDPE 725 in a single full-time year long internship; this full-time pattern is typical in accredited sites.

Notes:
Prerequisites: EDPE 708 and two of EDPE 721, EDPE 722 or EDPE 723
Students must register for both EDPE 726D1 and EDPE 726D2
No credit will be given for this course unless both EDPE 726D1 and EDPE 726D2 are successfully completed in consecutive terms
EDPE 726D1 and EDPE 726D2 together are equivalent to EDPE 726

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPE 726D2
Credit Weight: 6
Transcript Title: Internship 2-School Psychology
Calendar Title: Internship 2 - School Psychology.
Description:
See EDPE 726D1 for course description.

Notes:
Prerequisite: EDPE 726D1
No credit will be given for this course unless both EDPE 726D1 and EDPE 726D2 are successfully completed in consecutive terms
EDPE 726D1 and EDPE 726D2 together are equivalent to EDPE 726

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active
EDPH 689
Credit Weight: 3
Transcript Title: Teaching & Learning in Higher Ed
Calendar Title: Teaching and Learning in Higher Education.
Description:
Students will develop an understanding of teaching and learning as a process in which instruction is based on the learning to be accomplished. Students will design, develop, and evaluate a university course of their choice, and will develop facility and confidence in using teaching methods appropriate to their domains.
Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active
EDPI 211
Credit Weight: 3
Transcript Title: Social & Emotional Development
Calendar Title: Social and Emotional Development.
Description:
Intensive training in observation of the development and behaviour of children as individuals and as members of modern First Nations or Inuit society. Study of educational implications of both common and divergent behaviour. Development of relevant teaching practices.
Notes:
Offered through Continuing Education. Limited to students enrolled in First Nations and Inuit Education programs.
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 309
Credit Weight: 3
Transcript Title: Diverse Learners
Calendar Title: Diverse Learners.
Description:
Inclusion debates; review of the evolution of the history of inclusive education; models of development (eco-systemic models); characteristics, teaching practices; teachers' roles in inclusive classrooms. Overview of characteristics, causes, needs, and teaching strategies for diverse and exceptional students, teaching and learning for differences in intellectual, emotional, behavioural, sensory, physical and learning domains found in effective inclusive classrooms. Working with families.
Notes:
Restriction: Open to B.Ed. and Concurrent students only.
Offered through Continuing Education or Summer Studies.
Prerequisite: EDPI 341
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 341
Credit Weight: 3
Transcript Title: Instruction in Inclusive Schls
Calendar Title: Instruction in Inclusive Schools.
Description:
Developing, planning, implementing and evaluating effective learning programs for diverse learners, and consideration of their more general applicability. Adapting curriculum and instruction for learners with varying abilities, learning styles, and needs. Collaboration with students, families, and other educators (or stakeholders) in the instructional process. Application of adaptations at the classroom and school level for all students in inclusive schools.
Notes:
Restriction: Open to B.Ed. students only
Also offered through Continuing Education.
Prerequisite: EDPE 300.
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 344
Credit Weight: 3
Transcript Title: Assessment for Instruction  
Calendar Title: Assessment for Instruction.  
Description:  
Assessing student strengths, problems and needs; functions and use of different types of student assessment (traditional and alternative assessments); assessing the classroom environment; issues in assessment. Application component: application of assessment process with exceptional students, and use of results for planning and adapting instruction.  
Notes:  
Offered through Summer Studies and Continuing Education.  
Administering Faculty: Faculty of Education  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active  

EDPI 440  
Credit Weight: 3  
Transcript Title: Managing the Inclusive Classroom  
Calendar Title: Managing the Inclusive Classroom.  
Description:  
Comprehensive approach to classroom management, including management of student learning and behavior, classroom environment, material and human resources, and teacher growth. Focus on research-based practices, including behavioral approaches, for effectively managing a classroom with diversity of students. Application component: application of classroom management principles in the field.  
Notes:  
Offered through Continuing Education  
Administering Faculty: Faculty of Education  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active  

EDPI 441  
Credit Weight: 3  
Transcript Title: STDNTS WITH BEHAV DIFFICULTIES  
Calendar Title: Students with Behaviour Difficulties.  
Description:  
Theoretical approaches and specific teaching methods appropriate to the needs of students with emotional or behaviour problems, including students with attention deficit hyperactivity disorder. Multimodal team intervention approaches are emphasized. Application component: application of teaching methods with students experiencing behaviour difficulties.  
Notes:  
Offered through Continuing Education.  
Administering Faculty: Faculty of Education  
Teaching Department: Educational&Counselling Psych  
Status (catalog level): Active  

EDPI 442  
Credit Weight: 3  
Transcript Title: STDNTS WITH LEARN DIFFICULTIES  
Calendar Title: Students with Learning Difficulties.  
Description:  
Commonalities and differences between students with specific learning disabilities, and related teaching approaches. Emphasis on methods, materials, and technology for teaching academic content as well as social skills. Application component: modifying and teaching content areas to students experiencing learning
difficulties.

Notes:
Offered through Continuing Education.

Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 526
Credit Weight: 3
Transcript Title: Supp. Stud. Strengths & Talent
Calendar Title: Supporting Students' Strengths and Talents.
Description:
The psychology and practice of supporting the strengths and talents of all students across educational and community settings. Strength and talent-based programs and activities, assessments to discover student strengths and talents, classroom adaptations, application of strength and talent-based approaches to curriculum design.

Notes:
Offering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 527
Credit Weight: 3
Transcript Title: Creativity & its Cultivation
Calendar Title: Creativity and its Cultivation.
Description:
Recent research, theory, and educational practice concerning creativity, with special attention to creativity in students and educational settings.

Notes:
Offered through Continuing Education.

Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 539
Credit Weight: 3
Transcript Title: Field Work 1
Calendar Title: Field Work 1.
Description:
Supervised experience in an approved relevant educational setting.
Symbols: LIMT - Limited enrolment
PRMT - Requires departmental approval

Notes:
Offering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 540
Credit Weight: 3
Transcript Title: Field Work 2
Calendar Title: Field Work 2.
Description:
Supervised experience in an approved relevant educational setting.
Symbols: LIMT - Limited enrolment
PRMT - Requires departmental approval

Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 543
Credit Weight: 3
Transcript Title: Family, School and Community
Calendar Title: Family, School and Community.
Description: Focus on the examination of three important systems in a child's life; namely family, school and community, as well as societal influences on student growth, development, and adjustment. Emphasis will be on evidence-based practices in collaborating with families and community organizations to form partnerships, classroom interventions and school-based initiatives to enhance well-being.

Notes:
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 616
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description: Reading Course.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 642
Credit Weight: 3
Transcript Title: Inclusion: Past, Present & Future
Calendar Title: Inclusion: Past, Present and Future.
Description: Provides a critical analysis of the concept of inclusion with a particular focus on disability within historical, political, and educational contexts and equity seeking groups.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 645
Credit Weight: 3
Transcript Title: Assessment For Effective Interventions.
Calendar Title: Assessment For Effective Intervention.
Description: Exploration of practice-based models and approaches to assessment. It emphasises the application of theoretically sound models of assessment to guide interventions for students in inclusive contexts.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 654
Credit Weight: 3
Transcript Title: Instruct/Curriculum Adaptation
Calendar Title: Instruction/Curriculum Adaptation.
Description:
Adapting instruction and curriculum for students with special needs; developing individualized programs and methods; building curriculum that addresses both academic and social needs of students.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 656
Credit Weight: 6
Transcript Title: Community-Based Field Work
Calendar Title: Community-Based Field Work.
Description:
Participation in a supervised community-based professional setting. Provides opportunity to expand on experiences working with people being served by the program/site in a variety of settings. Students complete a minimum of 150 hours per term at an approved field work site.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 656D1
Credit Weight: 3
Transcript Title: Community-Based Field Work
Calendar Title: Community-Based Field Work.
Description:
Participation in a supervised community-based professional setting. Provides opportunity to expand on experiences working with people being served by the program/site in a variety of settings. Students complete a minimum of 150 hours per term at an approved field work site.
Notes:
Students must register for both EDPI 656D1 and EDPI 656D2
No credit will be given for this course unless both EDPI 656D1 and EDPI 656D2 are successfully completed in consecutive terms
EDPI 656D1 and EDPI 656D2 together are equivalent to EDPI 656
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 656D2
Credit Weight: 3
Transcript Title: Community-Based Field Work
Calendar Title: Community-Based Field Work.
Description:
See EDPI 656D1 for course description.
Notes:
Prerequisite: EDPI 656D1
No credit will be given for this course unless both EDPI 656D1 and EDPI 656D2 are successfully completed in consecutive terms
EDPI 656D1 and EDPI 656D2 together are equivalent to EDPI 656
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active
EDPI 665
Credit Weight: 3
Transcript Title: Teaching of Reading
Calendar Title: Teaching of Reading.
Description:
Reviews contemporary research on reading acquisition and associated language development with a focus on research and theory as the basis for examining current evidence-based practices for supporting learning in diverse classrooms.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 667
Credit Weight: 3
Transcript Title: Promoting Soc&Emot Well-Being
Calendar Title: Promoting Social and Emotional Well-Being.
Description:
Promotion of social & emotional well-being in students, classrooms, schools and communities; examination of teacher skills in promoting social & emotional learning, classroom management and climate; social & emotional literacy skills and behaviours; mental, emotional and behavioural health and their relationship to academic achievement and fostering of positive development.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 691
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
Literature survey and research planning.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 692
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
Preparation of research proposal and commencement of research under supervision of a research director.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 693
Credit Weight: 3
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description:
Continuation of research begun in Research Project 2 under supervision of a research director.
Notes:
Corequisites: EDPI 691, EDPI 692.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 694
Credit Weight: 3
Transcript Title: Research Project 4
Calendar Title: Research Project 4.
Description:
Completion of research and analysis and submission of completed research project.
Notes:
Corequisites: EDPI 691, EDPI 692, EDPI 693.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 743D1
Credit Weight: 1.5
Transcript Title: Seminar on Special Needs
Calendar Title: Seminar on Special Needs.
Description:
Contemporary issues in the education of students with special needs.
Professional and research issues.
Notes:
Students must register for both EDPI 743D1 and EDPI 743D2.
No credit will be given for this course unless both EDPI 743D1 and EDPI 743D2 are successfully completed in consecutive terms.
EDPI 743D1 and EDPI 743D2 together are equivalent to EDPI 743.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPI 743D2
Credit Weight: 1.5
Transcript Title: Seminar on Special Needs
Calendar Title: Seminar on Special Needs.
Description:
See EDPI 743D1 for description.
Notes:
Prerequisite: EDPI 743D1
No credit will be given for this course unless both EDPI 743D1 and EDPI 743D2 are successfully completed in consecutive terms.
EDPI 743D1 and EDPI 743D2 together are equivalent to EDPI 743.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active
EDPS 600
Credit Weight: 3
Transcript Title: Intro. Professional Seminar
Calendar Title: Introductory Professional Seminar.
Description:
Designed to foster deep thinking about the complex educational endeavour of becoming a teacher. Considers what shapes the development of theoretical and empirical work on teachers' roles, identities and professionalism. Introduces Teacher Inquiry as a framework for the study of teaching and learning. The capstone research project and professional e-portfolio are introduced.
Professional Competencies are addressed, developed and assessed.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDPS 605
Credit Weight: 1
Transcript Title: Culminating Prof. Seminar
Calendar Title: Culminating Professional Seminar.
Description:
Seminars on the experience through aspects of self-examination and reflection. Topics include identifying and understanding progress and areas of weakness, attending to physical and emotional self-care, and charting ongoing professional development. Culminating professional projects are showcased.
Notes:
Corequisite: EDIN 602
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDPS 610
Credit Weight: 2
Transcript Title: Professional Seminar 1
Calendar Title: Professional Seminar 1.
Description:
Provides support to student teaching in EDIN 610. Develops reflexive thinking, examining classroom situations with a view to improving practice, including classroom management, and developing teacher collaboration and community-building. Practical implications of capstone research projects are developed. Artefacts are selected/contextualized for inclusion in e-portfolios. Professional Competencies are addressed, developed, and assessed.
Notes:
Prerequisite(s): EDTL 515 and EDTL 601
Corequisite(s): EDIN 610
Restriction(s): Not open to students who have taken EDIN 601. Normally students must pass both EDIN 610 and EDPS 610, failure in a course may necessitate repeating both courses.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDPS 620

Credit Weight: 1

Transcript Title: Professional Seminar 2

Calendar Title: Professional Seminar 2.

Description:
Primary goal is to finalize students' Capstone Research Projects (CRPs) culminating in student CRP presentations at the Capstone Research Symposium. Provides support to student teaching in EDIN 620 through discussion of professional and ethical considerations during internship and as novice teachers. E-portfolios are completed. Professional Competencies are developed and assessed.

Notes:
Corequisite(s): EDIN 620
Prerequisite(s): EDIN 610, EDPS 610, EDTL 640
Restriction(s): Not open to students who have taken EDIN 602.
Students must pass both 'mentored student teaching' and 'professional seminar' components, including CRP presentation, to pass the course. Normally students must pass both EDIN 620 and EDPS 620, failure in a course may necessitate repeating both courses.

Administering Faculty: Graduate Studies

Teaching Department: Integrated Studies in Ed

Status (catalog level): Active
EDPT 200
Credit Weight: 3
Transcript Title: Integ Ed Tech in Classrooms
Calendar Title: Integrating Educational Technology in Classrooms.
Description: The course is designed to help practicing and future teachers integrate current and emerging technology in their daily teaching practices. It is a practical, hands-on course that is grounded in constructivist learning theory. The participants will learn by engaging in authentic tasks in a project-based learning environment.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Also offered through the School of Continuing Studies.
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDPT 204
Credit Weight: 3
Transcript Title: Create&Use Media for Learning
Calendar Title: Creating and Using Media for Learning.
Description: Creating and using media for learning. The course reviews audio-visual education (text, visuals, audio, video, and augmented reality), media and information literacy for K-11, higher education, and society, and how data are represented and used in education and research in different disciplines. The rationale and underlying principles for the design, production and effective use of media are emphasized.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Offered through the School of Continuing Studies.
Administering Faculty: Faculty of Education
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active
EDSL 210

Credit Weight: 1
Transcript Title: First Professional Seminar
Calendar Title: First Professional Seminar.
Description:
How to observe in second language classrooms. Students will be introduced to ways of observing instructional practices and procedures and will begin to reflect on various interactional patterns between teachers and students as observed in the First Year Field Experience. Professional portfolios and professional competencies will be addressed.
Notes:
Corequisite: EDFE 209
Restriction: Not open to students who have taken EDSL 209 (First Year Professional Seminar)

EDSL 215

Credit Weight: 3
Transcript Title: Communctn: Ed for TESL: Quebec
Calendar Title: Communication in Education for TESL in Quebec.
Description:
Designed to develop academic and professional communication in education, both oral and written. Tailored to the needs of future ESL teachers in Quebec. Exposure to different professional and social situations via role playing, problem-solving, and various oral and written interactions in French and/or English as appropriate.
Notes:
Recommended that students have completed FRSL 211 or equivalent, or have a higher level of proficiency in French.
Prerequisite: Placement test.

EDSL 247

Credit Weight: 3
Transcript Title: Sec Lang Ed: Indigenous Commun
Calendar Title: Second Language Education in Indigenous Communities.
Description:
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:
Limited to students enrolled in off-campus programs delivered through the Office of First Nations and Inuit Education.

EDSL 254

Credit Weight: 1
Transcript Title: Second Prof Seminar (TESL)
Calendar Title: Second Professional Seminar (TESL).
Description:
The course aims to develop basic practices in planning and teaching in ESL classrooms at the elementary and secondary levels, including reflective analysis.
Professional portfolios and professional competencies will be addressed.

Notes:
Prerequisites: EDSL 210, EDFE 209, EDSL 447 and EDSL 311
Corequisite: EDFE 255

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 255D1
Credit Weight: 1
Transcript Title: Second Professional Seminar
Calendar Title: Second Professional Seminar.

Description:
The course aims to develop basic practices in planning and teaching in ESL classrooms, including microteaching and reflective analysis. Professional portfolios and professional competencies will be addressed.

Notes:
Restrictions: Open to B.Ed. (TESL) students. Not open to students who have taken EDSL 259 (Second Year Professional Seminar)
Prerequisites: EDSL 210, EDFE 209 and EDSL 330
Students must register for both EDSL 255D1 and EDSL 255D2
No credit will be given for this course unless both EDSL 255D1 and EDSL 255D2 are successfully completely in consecutive terms

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 255D2
Credit Weight: 1
Transcript Title: Second Professional Seminar
Calendar Title: Second Professional Seminar.

Description:
See EDSL 255D1 for course description.

Notes:
Restrictions: Open to B.Ed. (TESL) students. Not open to students who have taken EDSL 259 (Second Year Professional Seminar)
Prerequisites: EDSL 255D1, EDSL 210, EDFE 209 and EDSL 330.
No credit will be given for this course unless both EDSL 255D1 and EDSL 255D2 are successfully completely in consecutive terms

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 300
Credit Weight: 3
Transcript Title: Foundations of L2 Education
Calendar Title: Foundations of L2 Education.

Description:
This introduction to the field of second language education provides an overview of the supporting disciplines (e.g., linguistics, psychology, sociology and education) and includes historical and analytical perspectives on the development of L2 teaching through an examination of approaches to L2 instruction and specific teaching methods.

Symbols: CONC - Education - course could be acceptable in an academic concentration

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDSL 301
Credit Weight: 3
Transcript Title: Étude de la langue
Calendar Title: Étude de la langue.
Description: Notions de base pour l'enseignement des composantes linguistique (lexique, morphologie, syntaxe et sémantique) et discursive (de la phrase aux types de textes et de discours); apprentissage de la grammaire nouvelle; composante langue des programmes d'études.
Notes: Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 304
Credit Weight: 3
Transcript Title: Sociolinguistics & L2 Education
Calendar Title: Sociolinguistics and L2 Education.
Description: This course introduces students to various social aspects of language, language use, and language learning by examining second language education from three interrelated perspectives: sociolinguistics, discourse, and culture. Issues range from language variation and social attitudes to conversational analysis and cross-cultural communication.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Prerequisite: LING 200 or LING 201.
May be offered in English or French
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 305
Credit Weight: 3
Transcript Title: L2 Learning: Classroom Settings
Calendar Title: L2 Learning: Classroom Settings.
Description: This course provides an introduction to theory and research in second language acquisition (SLA). It is designed to help students understand the processes, developmental patterns and factors contributing to SLA so that the students will be prepared to evaluate and develop teaching procedures in light of this understanding.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes: Prerequisite: EDSL 300 or LING 200 or LING 201.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 311
Credit Weight: 3
Transcript Title: Pedagogical Grammar
Calendar Title: Pedagogical Grammar.
Description: The course focuses on how the English language works as a system, examining it
from the levels of phonology, morphology, syntax, semantics, and discourse. These aspects will be considered in relation to second language teaching and learning.

Notes:
- Prerequisite: EDSL 350 and EDSL 447
- Restriction: Not for credit if EDSL 301 or EDEC 302 has been or is being taken

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 315
Credit Weight: 2
Transcript Title: 3rd Yr Professional Seminar
Calendar Title: Third Year Professional Seminar.
Description:
Classroom processes such as teaching and learning strategies, lesson planning and implementation, classroom organization and management, and developing a reflective teaching and learning practice. Competencies and working professional portfolios will be addressed.
Notes:
- Prerequisites: EDSL 255 or EDSL 255D1/D2, and EDFE 255 or EDFE 255D1/D2, EDSL 305, EDSL 330, EDSL 334, EDSL 447
- Corequisite: EDFE 359
- Restrictions: Open only to B.Ed. TESL students who have taken EDFE 255 or EDFE 255D1/D2. Not open to students who have taken or are taking EDFE 259, EDSL 309 or EDSL 310.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 330
Credit Weight: 3
Transcript Title: Lit 1:Teaching Reading in ESL
Calendar Title: Literacy 1: Teaching Reading in ESL.
Description:
Examines current literacy theory and practice, focusing on the teaching of reading skills for the comprehension and appreciation of texts in various genres, formats and functions, in ESL for elementary and secondary level students. Top-down and bottom-up reading processes; cultural and general background knowledge; knowledge of language including grammar and vocabulary are addressed.
Notes:
- Prerequisites: EDSL 300, EDSL 350

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 332
Credit Weight: 3
Transcript Title: Lit. 2:Teaching Writing in ESL
Calendar Title: Literacy 2: Teaching Writing in ESL.
Description:
Examines current literacy theory and practice, focusing on the teaching of writing skills for the production of texts in various genres, formats and functions, in ESL for elementary and secondary level students. Based on an understanding of writing as a process, key areas include: the adaptation and development of appropriate writing activities; feedback and revision; theme- and literature-based activities; and building upon reading and oral activities.
Notes:
Prerequisite: EDSL 330
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 334
Credit Weight: 3
Transcript Title: Teaching Oral Skills in ESL
Calendar Title: Teaching Oral Skills in ESL.
Description: Application of the English sound system to practical ESL teaching situations, planning and integrating pronunciation (as well as other oral skills, such as fluency) into activities and projects, developing materials, and assessing progress.
Notes: Prerequisite: LING 200 or LING 201 or LING 210

EDSL 341
Credit Weight: 3
Transcript Title: Littératie et litt. jeune. en FLS
Calendar Title: Littératie et littérature jeunesse en FLS.
Description: Développement de la littératie en langue seconde; les stratégies d'enseignement et d'apprentissage de la lecture et de l'écriture; l'exploration et l'utilisation de la littérature enfantine et de jeunesse propre à la francophonie dans divers contextes scolaires.
Symbols: CONC - Education - course could be acceptable in an academic concentration
Notes:

EDSL 345
Credit Weight: 3
Transcript Title: Enseignement du FLS-immersion
Calendar Title: Enseignement du FLS-immersion.
Description: Ce cours examine divers cheminement retrouvés en contexte immersif ainsi que diverses approches pédagogiques propices à l'enseignement du FLS par le biais de matières scolaires. Des recherches effectuées en contexte immersif seront également examinées par rapport au développement langagier des élèves en immersion.
Notes: Prerequisite: EDSL 301
Students in the B.Ed. K/Elementary Pédagogie de l'Immersion Française (PIF) Option must take EDSL 345 before EDEC253/EDFE256.

EDSL 350
Credit Weight: 3
Transcript Title: Essentials of English Grammar
Calendar Title: Essentials of English Grammar.
Description:
Analysis of English phrases, clauses and sentences up to discourse level in connected text. Emphasis on distinguishing between grammatical form, meaning, and function. Identification, analysis and correction of common errors made by ESL learners.
Notes:
Restriction: Restricted to B.Ed. (TESL) students
Restriction: This is a required course for B.Ed. TESL students. Students from other programs may be admitted at the discretion of the instructor.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 370
Credit Weight: 3
Transcript Title: Iss&Pracs:TeachIndigenousLangs
Calendar Title: Issues and Practices in Teaching Indigenous Languages.
Description:
Social, linguistic, and epistemological issues in Indigenous language teaching and learning, drawing on academic and community knowledge bases. Analyzes approaches to the development of Indigenous language proficiency through an examination of specific Indigenous language teaching methods for first language and additional language learners. Emphasis on the relation between instruction and language policy and planning as well as instruction and students own language learning and maintenance. Focuses on how to develop teaching practices and how to evaluate language learning.
Notes:
Restriction: Open only to students enrolled in First Nations and Inuit programs offered by the Faculty of Education.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 390
Credit Weight: 3
Transcript Title: TESL in the Community
Calendar Title: Teaching English as a Second Language in the Community.
Description:
Introduction to pedagogical, program and policy contexts of teaching ESL outside the formal K - 11 school setting, including teaching children, adolescents and adults, in the private and community sectors in Canada and abroad.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 412
Credit Weight: 3
Transcript Title: Assessment in TESL
Calendar Title: Assessment in TESL.
Description:
This course deals with the role of assessment in TESL. Students will explore the kinds of information needed to make educational decisions in second language courses, different techniques for collecting that information, and ways for interpreting it. Principles and methods for assessment with and without tests are discussed and practiced.
Notes:
Prerequisites: EDSL 447 and EDFE 359

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 415
Credit Weight: 3
Transcript Title: Fourth Professional Seminar
Calendar Title: Fourth Professional Seminar.
Description:
Professional competencies and final preparation of professional portfolios will be addressed. Focus is on development as a TESL professional, preparation for the workplace, and analysis, reflection, problem solving and support of actual teaching practice.
Notes:
Prerequisite: EDSL 315
Corequisite: EDFE 459 and EDSL 458
Restriction: Not open to students who have taken EDSL 409

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 444
Credit Weight: 3
Transcript Title: Lab. d'enseignement en FLS
Calendar Title: Laboratoire d'enseignement en français langue seconde.
Description:
Entraînement à l'observation et à l'analyse de situations d'enseignement du français langue seconde au primaire. Pratiques d'habiletés en situation microenseignement. Vidéoscopie et entraînement à la pratique réfléchie.
Notes:
Prerequisite: EDSL 301 or FREN 231.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 447
Credit Weight: 3
Transcript Title: Methods in TESL 1
Calendar Title: Methods in TESL 1.
Description:
Intermediate-level skills in planning and teaching appropriate lessons, activities, and projects for ESL learners in a variety of programs at the elementary and secondary school levels.
Notes:
Corequisite: EDSL 305
Prerequisite: EDSL 350

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 458
Credit Weight: 3
Transcript Title: Methods in TESL 2
Calendar Title: Methods in TESL 2.
Description:
Advanced-level skills in planning appropriate lessons, activities, units and projects for ESL learners in a variety of programs at the elementary and secondary levels.

Notes:
Prerequisite: EDSL 447, EDSL 311
Corequisites: EDSL 415 and EDFE 459

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 500
Credit Weight: 3
Transcript Title: Foundations & Issues in L2 ED
Calendar Title: Foundations and Issues in Second Language Education.
Description:
Introduction of second language (L2) education; an overview of contributing disciplines (e.g., linguistics, psychology, sociology and education). A history of theory and various methodological approaches to L2 teaching and learning is used to promote an understanding of current theory and practice.

Notes:
Fall
Restriction: Restricted to students in the Graduate Certificate in TESL.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 501
Credit Weight: 0
Transcript Title: Attestn de maîtrise lang franç
Calendar Title: Attestation de maîtrise langue française.
Description:
Successful completion of a recognized exam attesting to a level of French Language Proficiency deemed sufficient to teach French.

Notes:
Students in the B.Ed. Kindergarten and Elementary Pédagogie de l'Immersion Française and le certificat d'études supérieures en pédagogie de l'immersion française are required to take and pass the exam on their own. Accepted tests are CFRANC, SEL, DELF/DALF or equivalent. This requirement is a condition of graduation.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 505
Credit Weight: 3
Transcript Title: L2 Acquis Applied to Clrm Ctxt
Calendar Title: Second Language Acquisition Applied to Classroom Contexts.
Description:
An overview of theory and research in second language acquisition, including developmental patterns, factors affecting how second languages are learned, and relevance for teachers in terms of applications to the classroom context.

Notes:
Winter
Prerequisite: EDSL 500.
Restriction: Restricted to students in the Graduate Certificate in Teaching

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

### EDSL 512

**Credit Weight:** 3

**Transcript Title:** Grammar in TESL

**Calendar Title:** Grammar in Teaching English as a Second Language.

**Description:**
Analysis of English grammar at phonological, morphological, syntactic, semantic, and discourse levels. Applications are made to second language teaching and learning, focusing on integrating grammar into communicative language approaches.

**Notes:**
Prerequisite: EDSL 505
Restriction: Restricted to students in the Graduate Certificate in TESL

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

### EDSL 515

**Credit Weight:** 3

**Transcript Title:** Etude de la lan fr pour les en

**Calendar Title:** Étude de la langue française pour enseignants.

**Description:**
Notions pour l'enseignement du français langue seconde. Composantes linguistique (lexique, morphologie, syntaxe et semantique) et discursive (de la phrase aux types de textes et de discours); apprentissage de la grammaire nouvelle; composante langue des programmes d'études. Les demandes de deuxième langue d'enseignement et d'apprentissage axées sur l'intégration de la structure du langage dans les approches communicatives langagières.

**Notes:**
Prerequisite: EDSL 505, EDSL 500

**Administering Faculty:** Faculty of Education

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

### EDSL 541

**Credit Weight:** 3

**Transcript Title:** Lit&littre de jeun en cont imm

**Calendar Title:** Littératie et littérature de jeunesse en contexte immersif.

**Description:**
Ce cours vise à conscientiser l'étudiant aux stratégies d'enseignement et d'apprentissage de la lecture et de l'écriture propices au développement de la bilittératie en classes d'immersion. Il explore de façon approfondie, le rôle de la littérature enfantine et de jeunesse dans l'apprentissage du français langue seconde en contexte scolaire.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

### EDSL 544

**Credit Weight:** 3

**Transcript Title:** Didac du fran en cont immersif

**Calendar Title:** Didactique du français en contexte immersif.

**Description:**
Ce cours vise à amener les étudiants à s'engager dans leur processus de formation en vue de mettre à jour et d'enrichir leur pratique professionnelle ayant trait aux contenus et approches propres au contexte immersif, et ce, tant au primaire qu'au secondaire.

Notes:
Pre-Requisite(s): EDSL 515, EDSL 505 OR EDSL 500
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 545
Credit Weight: 3
Transcript Title: Fond pédagogique de l'immersion
Calendar Title: Fondements pédagogiques de l'immersion.
Description: Ce cours examine en profondeur divers cheminements retrouvés en contexte immersif ainsi que diverses approches pédagogiques propices à l'enseignement du FLS par le biais de matières scolaires. Des recherches effectuées en contexte immersif seront également examinées d'une façon critique, par rapport au développement langagier des élèves en immersion.
Notes:
Pre-requisite(s): EDSL 515, EDSL 505 OR EDSL 500
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 570
Credit Weight: 2
Transcript Title: L'acquisition des langues secondes en contexte immersif.
Calendar Title: L'acquisition des langues secondes en contexte immersif.
Description: Exploration des défis liés à l'acquisition des langues dans le contexte éducatif particulier de l'immersion française. Présentation des théories actuelles de l'acquisition des langues tout en mettant l'emphasis sur l'impact de certains phénomènes sur l'acquisition d'une langue seconde.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 572
Credit Weight: 2
Transcript Title: Planifier l'intégration de la langue et du contenu.
Calendar Title: Planification de l'intégration de la langue et du contenu.
Description: Exploration des défis et les approches pédagogiques liés à la planification de l'enseignement où la langue et le contenu sont enseignés conjointement. Il sera d'abord question d'identifier les difficultés qui éprouvent les élèves en français et d'en comprendre les causes. L'approche intégrée sera proposée comme piste de solution pour intégrer la langue et le contenu.
Notes:
Restriction: Not open to students who have taken or are taking EDSL 545.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 574
Credit Weight: 2
Transcript Title: Didactique de la langue fran
Calendar Title: Didactique de la langue française.
Description:
Présentations des principales difficultés de la langue française et des composantes linguistiques (lexique, morphologie, syntaxe et sémantique) et discursives (de la phrase aux types de textes et de discours) du français. Ces savoirs seront appliqués aux pratiques de la pédagogie interlinguistique, de l'intégration de la forme au contenu et de l'approche communicative.
Notes:
Prerequisites: EDSL 570; EDSL 572
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 576
Credit Weight: 2
Transcript Title: Sout la prod et la com en imm
Calendar Title: Soutenir la production et la compréhension en immersion.
Description:
Présentation des bases de l’apprentissage d’une langue seconde et des stratégies pour promouvoir la communication orale en salle de classe, tout en développant la capacité de l’élève à bien communiquer. Éxploration des pratiques d’étayage utilisées pour favoriser la compréhension chez l’élève ainsi que les techniques de rétroaction et d’encouragement lors des échanges à l’oral.
Notes:
Prerequisites: EDSL 570; EDSL 572
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 578
Credit Weight: 2
Transcript Title: Les débuts de la litt au prim
Calendar Title: Les débuts de la littératie au primaire.
Description:
Éxploration de la littératie précoce ainsi que des textes de littérature jeunesse authentiques et multimodaux comme outils favorisant le développement des compétences en lecture et en écriture. Des exemples de planification de leçons seront également présentées et incluront les pratiques de la pédagogie interlinguistique en lien avec le développement de la littératie.
Notes:
Prerequisites: EDSL 570, EDSL 572
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 580
Credit Weight: 2
Transcript Title: La litt chez les plus grands
Calendar Title: La littératie chez les plus grands.
Description:
Éxploration des stratégies de lecture et d’écriture adressées aux élèves possédant déjà les bases de la littératie. Élaboration de séquences pédagogiques intégrant l’enseignement des textes de littérature jeunesse authentiques et multimodaux. L’accent sera mis sur le développement de la compréhension, de la pensée critique...
et du goût de lire.

Notes:
Prerequisites: EDSL 570; EDSL 572

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 582
Credit Weight: 2
Transcript Title: L'évaluation en immersion française.
Calendar Title: L'évaluation en immersion française.
Description: Les principes, les procédures et les techniques d'évaluation des compétences linguistiques des élèves en immersion.
Notes: Prerequisites: EDSL 570; EDSL 572

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 584
Credit Weight: 2
Transcript Title: L'inclus en classe d'imm franc
Calendar Title: L'inclusion en classe d'immersion française.
Description: Identification des divers besoins de la clientèle d'immersion française, tant en matière de compétences linguistiques, qu'en matière de besoins académiques et psychosociaux particuliers en immersion française. Les fondements théoriques de l'inclusion en classe d'immersion française présentés en parallèle avec la littérature traitant de la classe inclusive.
Notes: Prerequisites: EDSL 570; EDSL 572

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 585
Credit Weight: 1
Transcript Title: Enseigner la cult francophone
Calendar Title: Enseigner la culture francophone.
Description: La culture francophone du Canada, et aussi la francophonie internationale et son intégration dans la classe d'immersion française. Présentation des différents éléments qui composent la culture (savoirs, savoir-faire et savoir-être) et les liens entre langue et culture.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 586
Credit Weight: 1
Transcript Title: L'identité prof en imm fran
Calendar Title: L'identité professionnelle en immersion française.
Description: La complexité entourant l'identité bilingue et son rapport à l'enseignement dans le contexte de l'immersion française. La prise de risque linguistique et une réflexion sur sa propre prise de risque en contexte professionnel seront
encouragées. L'enjeu de la norme du locuteur natif et sa place dans le contexte de l'immersion seront également à l'étude.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 590
Credit Weight: 1
Transcript Title: Atelier en didac de l'immfran1
Calendar Title: Atelier en didactique de l'immersion française 1.
Description: Échanges en présentiel sur les divers enjeux entourant l'immersion française au Canada.
Notes: Un nouveau thème est abordé chaque année afin de refléter l'avancement de la recherche en immersion française.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 591
Credit Weight: 1
Transcript Title: Atelier en didact del'immfran2
Calendar Title: Atelier en didactique de l'immersion française 2.
Description: Échanges en présentiel sur les divers enjeux entourant l'immersion française au Canada.
Notes: Un nouveau thème est abordé chaque année afin de refléter l'avancement de la recherche en immersion française.

Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 601
Credit Weight: 3
Transcript Title: Methods&Curric in L2 Teaching1
Calendar Title: Methods and Curriculum in Second Language Teaching 1.
Description: Applications of current theories and models of second language development and their implications for teaching all language skills (reading, writing, speaking, listening), including lesson planning, materials selection and development, activities and assessment in various formal and community second language education settings. Principles and methods for formative and summative assessment.
Notes: Prerequisite: EDSL 512
Corequisite: EDSL 602
 Restriction: Restricted to students in the Graduate Certificate in TESL or with permission of the Graduate Program Director
Attendance in this course is mandatory.
A practicum component is integrated into this course.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDSL 602
Credit Weight: 3
Transcript Title: Methods&Curric in L2 Teaching2
Calendar Title: Methods and Curriculum in Second Language Teaching 2.
Description:
Continuation of topics covered in EDSL 601 with further applications. Exploration
of the kinds of information needed to make educational decisions in second
language courses, different techniques for collecting that information, and ways
for interpreting it.
Notes:
Prerequisite: EDSL 512
Corequisite: EDSL 601
Restriction: Restricted to students in the Graduate Certificate in TESL or with
permission of the Graduate Program Director
Attendance in this course is mandatory.
A practicum component is integrated into this course.
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the fifth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 603
Credit Weight: 6
Transcript Title: Individual Reading Course 1
Calendar Title: Individual Reading Course 1.
Description:
Independent study of an approved topic with the guidance of individual instructor
and permission of Graduate Program Director.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 616
Credit Weight: 3
Transcript Title: Individual Reading Course 2
Calendar Title: Individual Reading Course 2.
Description:
Independent study of an approved topic with the guidance of individual instructor
and permission of Graduate Program Director.
Notes:
Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 617
Credit Weight: 3
Transcript Title: Special Topics in L2 Education
Calendar Title: Special Topics in Second Language Education.
Description:
In-depth study of current topics in Second Language Education. (Content varies
from year to year.)
Notes:
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDSL 620  
Credit Weight: 3  
Transcript Title: Social Justice Issues in SLE  
Calendar Title: Social Justice Issues in Second Language Education.  
Description: An examination of social identity, non-dominant languages, and power relations among speakers, and their impact on the nature of second/additional language teaching, learning and use, from the perspective of critical applied linguistics. Topics range from the micro level of the individual to the macro level of language planning and policy-making.  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDSL 623  
Credit Weight: 3  
Transcript Title: Second Language Learning  
Calendar Title: Second Language Learning.  
Description: Seminar in second language acquisition theory and research and their relevance to teaching a second language.  
Notes: Fall  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDSL 624  
Credit Weight: 3  
Transcript Title: Educational Sociolinguistics  
Calendar Title: Educational Sociolinguistics.  
Description: Seminar in the social, cultural and political dimensions of English second language learning and teaching.  
Notes: Fall  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDSL 627  
Credit Weight: 3  
Transcript Title: Instrd 2nLang Acquis'n Resrch  
Calendar Title: Instructed Second Language Acquisition Research.  
Description: Seminar in second language classroom-centred research focusing on instructional procedures and practices in relationship to learning outcomes.  
Administering Faculty: Graduate Studies  
Teaching Department: Integrated Studies in Ed  
Status (catalog level): Active

EDSL 628
Credit Weight: 3
Transcript Title: Plurilg & Translg: Educ & Res
Calendar Title: Plurilingualism & Translanguaging in Education and Research.
Description:
Dynamic vision of language and the repertoire of users of two or more languages, including recent theories of translingualism, translanguaging, and plurilingualism. Examination of research and pedagogical implementation of these theories in diverse languages, classrooms and contexts.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 630
Credit Weight: 3
Transcript Title: Qual./Ethnographic Methods
Calendar Title: Qualitative/Ethnographic Methods.
Description:
An examination of theoretical and applied issues in qualitative and ethnographic studies in second language education.
Notes:
Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 631
Credit Weight: 3
Transcript Title: L2 Curriculum
Calendar Title: Second Language Curriculum.
Description:
Research, theory and practice in curriculum development and teaching in second language education within contemporary frameworks.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 632
Credit Weight: 3
Transcript Title: L2 Literacy Development
Calendar Title: Second Language Literacy Development.
Description:
Theory and research related to the teaching and learning of second language literacy. The orientation is on reading and writing as a socio-cognitive activity.
Notes:
Fall
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 640
Credit Weight: 3
Transcript Title: Lang Awareness: Theory & Pract
Calendar Title: Language Awareness: Theory and Practice.
Description:
Explores the concept of language awareness—learners’ and teachers’ explicit
knowledge about and conscious perception of language in relation to its learning, teaching, and use. Will further outline possibilities for promoting learners' language awareness in the L2 classroom.

Notes:
Restriction(s): Not open to students who have taken EDSL 617 when topic was "Language Awareness: Theory and Practice".

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 651
Credit Weight: 3
Transcript Title: Content-Based L2 Learning
Calendar Title: Content-Based L2 Learning.
Description: Theoretical research underpinnings of learning a second language through content-based approaches and analysis of empirical studies undertaken in a wide range of immersion and other content-based L2 classrooms.
Notes: Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 666
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: Submission of a thesis proposal.
Notes: Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 667
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Presentation of thesis proposal.
Notes: Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 668
Credit Weight: 6
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Master's thesis.
Notes: Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 669
Credit Weight: 6
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
Master's thesis.
Notes:
Fall, Winter
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 695
Credit Weight: 6
Transcript Title: Project 1
Calendar Title: Project 1.
Description:
Theoretical or practical supervised project to explore and analyze an area of interest relevant to second/additional/plurilingual language education and research.
Notes:
Restriction: Only open to students in the M.A. in Second Language Education; Non-Thesis - Project program.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 696
Credit Weight: 6
Transcript Title: Project 2
Calendar Title: Project 2.
Description:
Theoretical or practical supervised project to explore and analyze an area of interest relevant to second/additional/plurilingual language education and research.
Notes:
Prerequisite: EDSL 695
Restriction: Only open to students in the M.A. in Second Language Education; Non-Thesis - Project program.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDSL 711
Credit Weight: 2
Transcript Title: Language Acquisition Issues 3
Calendar Title: Language Acquisition Issues 3.
Description:
Review of language acquisition issues.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDSP 501
Credit Weight: 3
Transcript Title: Individual Reading Course 1
Calendar Title: Individual Reading Course 1.
Description:
Supervised individual reading course on an approved subject.
Administering Faculty: Faculty of Education
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 600D1
Credit Weight: 1.5
Transcript Title: School Psychology Seminar
Calendar Title: School Psychology Seminar.
Description:
Current issues, developments and reviews of major areas in school psychology in the context of research in the department, university and community; and the evolution of the profession at large.
Notes:
Students must register for both EDSP 600D1 and EDSP 600D2. No credit will be given for this course unless both EDSP 600D1 and EDSP 600D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 600D2
Credit Weight: 1.5
Transcript Title: School Psychology Seminar
Calendar Title: School Psychology Seminar.
Description:
See EDSP 600D1 for course description.
Notes:
Prerequisite: EDSP 600D1. No credit will be given for this course unless both EDSP 600D1 and EDSP 600D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 601
Credit Weight: 3
Transcript Title: Individual Reading Course 2
Calendar Title: Individual Reading Course 2.
Description:
Supervised individual reading course on an approved subject.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 602
Credit Weight: 3
Transcript Title: Sel Top: Sch/App1 Child Psyc 1
Calendar Title: Selected Topics in School/Applied Child Psychology 1.
Description:
A detailed examination of recent developments in specific topics of school psychology.
Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 609
Credit Weight: 3
Transcript Title: Intro to Cognitive Assessment
Calendar Title: Introduction to Cognitive Assessment.
Description:
History of psychological assessment, theoretical aspects of individual and group testing, psychometric principles, (validity, reliability and test construction) and theories of learning and intelligence will be examined. Acquisition of clinical skills in administration and interpretation of cognitive, achievement and specialized (language, motor, etc.) tests through practice-testing of typically developing children.
Notes:
The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $102.50

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 610
Credit Weight: 3
Transcript Title: Intro to Psycho-edu Assessment
Calendar Title: Introduction to Psycho-educational Assessment.
Description:
Application of assessment knowledge and skills acquired in EDSP 609 for conducting full psychoeducational assessment of typically developing children. Instruction in case formulation (intake interview), interpretation of assessment instruments (e.g., tests of cognitive functioning, academic performance and special abilities), production of comprehensive psychological report and feedback interview.
Notes:
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee in Winter 2022 is $96.

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active

EDSP 611
Credit Weight: 3
Transcript Title: Hist, Theo & Best Prac in SchPsych
Calendar Title: History, Theory and Best Practices in School Psychology.
Description:
Focus on the profession and practice of school psychology. Four major areas of information within the discipline of school psychology will be addressed: history and organizational systems, psychological service delivery in educational settings, ethical and legal issues, and new trends and future developments in school psychology and training.

Administering Faculty: Graduate Studies
Teaching Department: Educational & Counselling Psych
Status (catalog level): Active
EDSP 619
Credit Weight: 3
Transcript Title: Child and Adolescent Therapy
Calendar Title: Child and Adolescent Therapy.
Description: Therapeutic models for individual and group interventions for children and adolescents; case studies; gender and cultural minority issues; emphasis on classical and research-supported strategies and interventions for school psychologists.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 650D1
Credit Weight: 1.5
Transcript Title: Prof Pract in School Setting
Calendar Title: Professional Practice in School Setting.
Description: An introduction to the profession and practice of school psychology. Students will be integrated in school-based professional activities one day per week and exposed to organizational systems, psychological service delivery models, ethical and legal issues, and new trends and developments in school psychology.
Notes: Students must register for both EDSP 650D1 and EDSP 650D2. No credit will be given for this course unless both EDSP 650D1 and EDSP 650D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 650D2
Credit Weight: 1.5
Transcript Title: Prof Pract in School Setting
Calendar Title: Professional Practice in School Setting.
Description: An introduction to the profession and practice of school psychology. Students will be integrated in school-based professional activities one day per week and exposed to organizational systems, psychological service delivery models, ethical and legal issues, and new trends and developments in school psychology.
Notes: Prerequisite: EDSP 650D1. No credit will be given for this course unless both EDSP 650D1 and EDSP 650D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 682D1
Credit Weight: 3
Transcript Title: Psycho-Edu Ass&Interv Practic
Calendar Title: Psycho-Educational Assessment & Intervention Practicum.
Description: Seminar and field practice in administration and interpretation of educational and psychological tests. Expansion of assessment knowledge and applications across domains and populations. Supervision of report writing, communication and ethical
use of test information. Assessment and intervention take place within professional role of School Psychology.

Notes:
Students must register for both EDSP 682D1 and EDSP 682D2.
No credit will be given for this course unless both EDSP 682D1 and EDSP 682D2 are successfully completed in consecutive terms.
The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $62.34

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 682D2
Credit Weight: 3
Transcript Title: Psycho-Edu Ass&Interv Practic
Calendar Title: Psycho-Educational Assessment & Intervention Practicum.
Description:
Seminar and field practice in administration and interpretation of educational and psychological tests. Expansion of assessment knowledge and applications across domains and populations. Supervision of report writing, communication and ethical use of test information. Assessment and intervention take place within professional role of School Psychology.

Notes:
Prerequisite: EDSP 682D1.
No credit will be given for this course unless both EDSP 682D1 and EDSP 682D2 are successfully completed in consecutive terms.
Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $62.34

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 685
Credit Weight: 3
Transcript Title: Selected Topics:School Psychol
Calendar Title: Selected Topics in School Psychology.
Description:
A detailed examination of recent developments in specific topics of school psychology.

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 691
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
A focused survey of the research literature on a topic chosen in consultation with the research supervisor.

Notes:
Corequisite(s): EDSP 691

Administrating Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 692
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
Development of a rationale for a research project supported by the research literature, the articulation of a specific research question(s) related to the rationale and write up of a method to collect data that will answer the question.
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 693
Credit Weight: 3
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description:
Data collection based on the method proposed in Research Project 2.
Notes:
Corequisite(s): EDSP 692
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 694
Credit Weight: 3
Transcript Title: Research Project 4
Calendar Title: Research Project 4.
Description:
Data analysis based on data collected in Research Project 3.
Notes:
Corequisite(s): EDSP 693
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 695
Credit Weight: 3
Transcript Title: Research Project 5
Calendar Title: Research Project 5.
Description:
Interpretation of data collected in Research Project 3 including its relationship to the literature and its implications.
Notes:
Corequisite(s): EDSP 694
Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 696
Credit Weight: 3
Transcript Title: Research Project 6
Calendar Title: Research Project 6.
Description:
The production of a written report of the research project in the form of a manuscript or research report.

Notes:
Corequisite(s): EDSP 695

Administering Faculty: Graduate Studies

Teaching Department: Educational & Counselling Psych

Status (catalog level): Active

EDSP 701
Credit Weight: 0

Transcript Title: Comprehensive Examination

Calendar Title: Comprehensive Examination.

Description:
A comprehensive examination of a topic in school/applied child psychology, set by the program committee, that must be successfully passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies

Teaching Department: Educational & Counselling Psych

Status (catalog level): Active

EDSP 702
Credit Weight: 3

Transcript Title: Sel Top: Sch/Appl Child Psyc 2

Calendar Title: Selected Topics in School/Applied Child Psychology 2.

Description:
A detailed examination of recent developments in specific topics of school psychology.

Administering Faculty: Graduate Studies

Teaching Department: Educational & Counselling Psych

Status (catalog level): Active

EDSP 705D1
Credit Weight: 3

Transcript Title: Practicum: School Psychology

Calendar Title: Practicum: School Psychology.

Description:
Clinic experiences (a) conducting assessment batteries, (b) interpreting assessment findings, report writing and developing intervention plans, (c) providing academic and mental health intervention for specific learning domains, and (d) acquiring skills in group intervention techniques.

Notes:
Students must register for both EDSP 705D1 and EDSP 705D2.

No credit will be given for this course unless both EDSP 705D1 and EDSP 705D2 are successfully completed in consecutive terms.

The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $62.34

Administering Faculty: Graduate Studies

Teaching Department: Educational & Counselling Psych

Status (catalog level): Active

EDSP 705D2
Credit Weight: 3

Transcript Title: Practicum: School Psychology

Calendar Title: Practicum: School Psychology.
Description:
See EDSP 705D1 for course description.

Notes:
Prerequisite: EDSP 705D1.
No credit will be given for this course unless both EDSP 705D1 and EDSP 705D2 are successfully completed in consecutive terms.

Students taking courses which access the ECP Assessment Materials Resource Centre are required to pay an access fee as well as the cost of all consumables required per course. The fee is dependent on the number of consumables/protocols used in each class and is refundable during the withdrawal with full refund period. The fee is $62.34

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 710
Credit Weight: 3
Transcript Title: Consultation in School Psych
Calendar Title: Consultation in School Psychology.

Description:
A clinical course on the use of consultation in educational and school-related settings. Topics include: consultation theory, the process of evaluations of the consultation process and outcomes, critical study of relevant research and practice. Includes problem identification, problem analysis, treatment implementation and treatment evaluation.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 715D1
Credit Weight: 3
Transcript Title: Theory & Pract of Supervision
Calendar Title: Theory and Practice of Supervision.

Description:
An introduction to the theory and practice of clinical supervision. Objectives include providing trainees the opportunity to assimilate theoretical and empirical literature related to clinical supervision, obtain experience in individual supervision with trainees, develop observational and conceptualization skills needed to assess supervisee competence and fostering skills writing supervisory case meetings.

Notes:
Students must register for both EDSP 715D1 and EDSP 715D2.
No credit will be given for this course unless both EDSP 715D1 and EDSP 715D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 715D2
Credit Weight: 3
Transcript Title: Theory & Pract of Supervision
Calendar Title: Theory and Practice of Supervision.

Description:
See EDSP 715D1 for course description.

Notes:
Prerequisite: EDSP 715D1.
No credit will be given for this course unless both EDSP 715D1 and EDSP 715D2 are successfully completed in consecutive terms.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDSP 721D1**  
**Credit Weight:** 3  
**Transcript Title:** Field Placement 1: School Psyc  
**Calendar Title:** Field Placement 1: School Psychology.  
**Description:** Practicum experience supervised by faculty members and field supervisors working with children in a school or applied clinical setting. Class meetings in addition to onsite field experiences.  
**Notes:** Students must register for both EDSP 721D1 and EDSP 721D2. No credit will be given for this course unless both EDSP 721D1 and EDSP 721D2 are successfully completed in consecutive terms.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDSP 721D2**  
**Credit Weight:** 3  
**Transcript Title:** Field Placement 1: School Psyc  
**Calendar Title:** Field Placement 1: School Psychology.  
**Description:** See EDSP 721D1 for description.  
**Notes:** Prerequisite: EDSP 721D1. No credit will be given for this course unless both EDSP 721D1 and EDSP 721D2 are successfully completed in consecutive terms.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDSP 722**  
**Credit Weight:** 6  
**Transcript Title:** Field Placement 2: School Psyc  
**Calendar Title:** Field Placement 2: School Psychology.  
**Description:** See EDSP 722D1 for course description.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Educational & Counselling Psych  
**Status (catalog level):** Active

**EDSP 722D1**  
**Credit Weight:** 3  
**Transcript Title:** Field Placement 2: School Psyc  
**Calendar Title:** Field Placement 2: School Psychology.  
**Description:** Practicum experience supervised by faculty members and a field supervisor working with adolescents in a school or applied setting. Weekly class meetings in addition to onsite field experiences.  
**Notes:** Students must register for both EDSP 722D1 and EDSP 722D2.
No credit will be given for this course unless both EDSP 722D1 and EDSP 722D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 722D2
Credit Weight: 3
Transcript Title: Field Placement 2: School Psyc
Calendar Title: Field Placement 2: School Psychology.
Description: Practicum experience supervised by faculty members and a field supervisor working with adolescents in a school or applied setting. Weekly class meetings in addition to onsite field experiences.
Notes: Prerequisite: EDSP 722D1
No credit will be given for this course unless both EDSP 722D1 and EDSP 722D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 723
Credit Weight: 6
Transcript Title: Field Placement 3: School Psyc
Calendar Title: Field Placement 3: School Psychology.
Description: Practicum experience supervised by faculty members and a field supervisor working with children and/or adolescents in a community applied setting. This additional field and community practicum is designed for students who wish to gain additional supervised clinical experiences beyond the required curriculum.
Notes: Prerequisite(s): EDSP 722D1/D2
Restriction(s): For PhD 4 students

Administering Faculty: Graduate Studies
Teaching Department: Educational&Counselling Psych
Status (catalog level): Active

EDSP 723D1
Credit Weight: 3
Transcript Title: Field Placement 3: School Psyc
Calendar Title: Field Placement 3: School Psychology.
Description: Practicum experience supervised by faculty members and a field supervisor working with children and/or adolescents in a community applied setting. This additional field and community practicum is designed for students who wish to gain additional supervised clinical experiences beyond the required curriculum.
Notes: Prerequisite(s): EDSP 722D1/D2
Restriction(s): For PhD 4 students.
Students must register for both EDSP 723D1 and EDSP 723D2.
No credit will be given for this course unless both EDSP 723D1 and EDSP 723D2 are successfully completed in consecutive terms.
EDPS 723D1 and EDPS 723D2 together are equivalent to EDSP 723.
Status (catalog level): Active

EDSP 723D2
Credit Weight: 3
Transcript Title: Field Placement 3: School Psyc
Calendar Title: Field Placement 3: School Psychology.
Description: Practicum experience supervised by faculty members and a field supervisor working with children and/or adolescents in a community applied setting. This additional field and community practicum is designed for students who wish to gain additional supervised clinical experiences beyond the required curriculum.
Notes: Prerequisite(s): EDSP 722D1/D2 and EDSP 723D1 Restriction(s): For PhD 4 students.
Students must register for both EDSP 723D1 and EDSP 723D2.
No credit will be given for this course unless both EDSP 723D1 and EDSP 723D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active

EDSP 725D1
Credit Weight: 12
Transcript Title: Internship: School Psychology
Calendar Title: Internship: School Psychology.
Description: Supervised internship (minimum 1600 hours) working with children and/or adolescents in a school or applied setting. Activities will include diagnosis and assessment, individual interventions, consultations, report writing, case conferencing and group work.
Notes: Students must register for both EDSP 725D1 and EDSP 725D2.
No credit will be given for this course unless both EDSP 725D1 and EDSP 725D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active

EDSP 725D2
Credit Weight: 12
Transcript Title: Internship: School Psychology
Calendar Title: Internship: School Psychology.
Description: See EDSP 725D1 for course description.
Notes: Prerequisite: EDSP 725D1.
No credit will be given for this course unless both EDSP 725D1 and EDSP 725D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Educational& Counselling Psych
Status (catalog level): Active
EDTL 500
Credit Weight: 3
Transcript Title: Appl of Ed Psyc Across Class
Calendar Title: Applications of Educational Psychology Across Classrooms.
Description:
Selected contemporary theories of human learning and development and their evidence base, including models of individual difference, learning styles, independence and motivation. Implications of selected theoretical models and evidence for educational practice, planning and professional reflection in inclusive classrooms. The role of parents, families/guardians and the complementary role of ancillary educational services in relation to classroom applications of theories. All addressed through the development of professional competencies.
Notes:
Winter
Offered by: Educational and Counselling Psychology
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 506
Credit Weight: 3
Transcript Title: Philosophy of Education
Calendar Title: Philosophy of Education.
Description:
An exploration of philosophical underpinnings of educational theories as they inform professional practice. Reflections on aims of education, knowledge and values, nature of schooling and curriculum, roles and responsibilities of professional educators. All addressed through the development of professional competencies.
Notes:
Winter
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 508
Credit Weight: 3
Transcript Title: Critical Infls. on Ed. Praxis
Calendar Title: Critical Influences on Educational Praxis.
Description:
Implications of intercultural/multicultural, global, environmental and social justice advances as these affect critical thinking and inform practice in the classroom. Addressed through the development of professional competencies.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 515
Credit Weight: 0
Transcript Title: Engl Exam for Teacher Cert
Calendar Title: English Exam for Teacher Certification.
Description: Two hour exam designed to assess teacher candidates' competency in the language of instruction - MELS requirement for teacher certification in the Quebec school system. Students are permitted 4 attempts to pass this exam; it must be passed before commencing the First Internship (EDIN 601). Any student unsuccessful after 4 attempts must withdraw from the program.
Notes: Restriction: Open to Graduate students in the M.A. In Teaching and Learning, seeking teacher certification by MELS.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 520
Credit Weight: 3
Transcript Title: Persp on Knowl in Math & Sci
Calendar Title: Perspectives on Knowledge in Mathematics and Science.
Description: A variety of perspectives on construction of knowledge in mathematics and science and how the products of scientific and mathematical practices are shaped by broader social, cultural, and political forces.
Notes: Prerequisite: Students must have completed, with a grade of C or higher, a minimum of 24 credits in Mathematics and/or Science courses.
Not open to students who have taken EDEC 646 or EDEC 647.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 525
Credit Weight: 3
Transcript Title: Teaching Science & Technology
Calendar Title: Teaching Science and Technology.
Description: This course will build prospective teachers' pedagogical knowledge and practices to teach principles of engineering and technical design, analysis of technical objects, and problem-based learning approaches to solve developmentally appropriate problems. Application of scientific concepts to technological solutions will also be emphasized to effectively integrate science and technology education.
Notes: Prerequisite(s): EDES 335 Teaching Secondary Science for B.Ed. Students only.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 601
Credit Weight: 3
Transcript Title: Cross-Curric. Teaching Methods
Calendar Title: Cross-curricular Teaching Methods.
Description:
Emphasis on pedagogical knowledge in planning and carrying out instruction that meets curriculum goals, is relevant to learners, and is based upon principles of effective instruction. Addressed through the development of professional competencies.

Notes:
Prerequisite: EDPS 600
Corequisites: EDTL 625 or EDTL 627 or EDTL 629 or EDTL 633 or EDTL 635

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 604
Credit Weight: 3
Transcript Title: Techniques for Assessment
Calendar Title: Techniques for Assessment.
Description:
Exploring the role of assessment in teaching and learning with attention to the Quebec context. Topics include the QEP competencies, kinds of information needed, techniques for collection and ways of interpretation in order to make educational decisions. Principles and methods for assessment with and without tests are discussed and practiced. Addressed through the development of professional competencies.

Notes:
Prerequisite: EDTL 601
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 606
Credit Weight: 3
Transcript Title: Meth in Teach Sci in Sec Sch
Calendar Title: Methods in Teaching Science in Secondary School.
Description:
Emphasis on the organization of learning experiences in ways that support students in developing science process skills and understanding the unifying themes, issues of equity and the nature of science. Appreciation for relationships among science, technology and society. All addressed through the development of professional competencies.

Notes:
Prerequisite: EDTL 601
Restriction: Open to MATL candidates having Science as a teaching subject area.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 607
Credit Weight: 3
Transcript Title: Language and Policy in QC Ed.
Calendar Title: Language and Policy in Quebec Education.
Description:
Structure and organization of education in Quebec considered from historical, political, language, social, administrative and legal perspectives. Enables students to contribute to the educational system in their roles as leaders of
educational thought and change. All addressed through the development of professional competencies.

Notes:

Fall

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 608
Credit Weight: 3
Transcript Title: Meth in Teach Math in Sec Sch
Calendar Title: Methods in Teaching Mathematics in Secondary School.
Description:
Development of expertise in the teaching of mathematics including the development of a comprehensive understanding of conceptual and procedural mathematical knowledge. Teacher role, strategies, problem solving, student thinking and evaluation will be addressed through the development of professional competencies.

Notes:
Prerequisite: EDTL 601
Restriction: Open to MATL candidates having Mathematics as a teaching subject area.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 609
Credit Weight: 3
Transcript Title: Diverse Learners
Calendar Title: Diverse Learners.
Description:
Current research and practice in educating students who have a variety of individual needs and strengths. The complex interplay between individual and contextual factors that impact learning in the modern classroom. Examination of abilities/disabilities, school and classroom dynamics, and teachers' roles in promoting an inclusive environment. Focus on applicable, practical skills such as curriculum design and modification, formal/informal assessment procedures, universal design for instruction, home-school collaborations, and differentiated instruction.

Notes:
Prerequisite: EDTL 500
Offered by: Educational and Counselling Psychology
Students will practice applying principles of inclusive education to academic, emotional, behavioral, social, physical, and other relevant realms of diverse classrooms with the goal of developing professional competencies applicable to multi-dimensional educational environments.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 610
Credit Weight: 3
Transcript Title: Methods in Teaching SELA
Calendar Title: Methods in Teaching Secondary English Language Arts.
Description:
The teaching of English language arts as framed by contemporary youth social worlds, and current research in critical literary/literacy theory. Addressed through the development of professional competencies.

Notes:
Prerequisite: EDTL 601
Restriction: Open to MATL candidates having English as a teaching subject area.

Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 611
Credit Weight: 3
Transcript Title: Classroom Competencies
Calendar Title: Classroom Competencies.
Description:
Rationale for various approaches to classroom management emphasizing the relationship between theory and practice. Strategies for designing, delivering and developing instruction that increases motivation, challenges learners, reduces off-task behaviour and develops competencies. All addressed through the development of professional competencies.

Notes:
Fall
Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 612
Credit Weight: 3
Transcript Title: AdvApplMth:Teach ERC in SecSch
Calendar Title: Adv Applied Meth in Teach'g Ethics&ReligCulture in Sec Sch.
Description:
Continuation of topics covered in EDTL 633 and an examination of the ethics, and religious culture program in the secondary school, focusing on the conceptual framework, philosophical orientations and teaching practices. Addressed through the development of appropriate professional competencies. Parts of this course may be undertaken in school settings.

Notes:
Prerequisite: EDIN 601 or EDIN 610; and EDTL633
Restriction: Open to MATL candidates having History & Citizenship Ethics & Religious Culture as a teaching subject area.
Corequisite: EDIN 602 or EDIN 620
Administrating Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 614
Credit Weight: 3
Transcript Title: Meth in Teach SS in Sec Sch
Calendar Title: Methods in Teaching Social Science in Secondary School.
Description:
Underpinnings of educational theories and current research in secondary social sciences education. Topics include the nature, content, methodology and implications of professional practice. All addressed through the development of professional competencies.

Notes:
Prerequisite: EDTL 601
Restriction: Open to MATL candidates having History & Citizenship Geography as a teaching subject area.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDTL 616**

**Credit Weight:** 3

**Transcript Title:** Methods in SLE in Sec School

**Calendar Title:** Methods in Second Language Education in Secondary School.

**Description:**
The development of appropriate strategies for the teaching of second languages in diverse, contemporary contexts in a variety of programs at the secondary level. Addressed through the development of professional competencies.

**Notes:**
Prerequisite: EDTL 601
Restriction: Open to MATL candidates having English or French as a Second language as a teaching subject area.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDTL 625**

**Credit Weight:** 3

**Transcript Title:** Appl Mth in Tch Sci in Sec Sch

**Calendar Title:** Applied Methods in Teaching Science in Secondary School.

**Description:**
Emphasis on the organization of learning experiences in ways that support students in developing science process skills and understanding the unifying themes, issues of equity and the nature of science. Appreciation for relationships among science, technology and society. All addressed through the development of professional competencies. Parts of this course may be undertaken in school settings.

**Notes:**
Corequisite: EDIN 601
The course EDTL 625 includes a $15 fee covering the cost of printing for the lab manual required by all students registered for the course. The fee is refundable until the end of the add/drop period.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed

**Status (catalog level):** Active

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**EDTL 626**

**Credit Weight:** 3

**Transcript Title:** Adv Appl Met:Tch Sci in Sec Sc

**Calendar Title:** Advanced Applied Methods in Teaching Science in Sec. School.

**Description:**
Continuation of topics covered in EDTL 625. Parts of this course may be undertaken in school settings.

**Notes:**
Prerequisite: EDTL 625; EDIN 601 or EDIN 610
Corequisite: EDIN 602 or EDIN 620
The course EDTL 626 includes a $15 fee covering the cost of printing for the lab manual required by all students registered for the course. The fee is refundable until the end of the add/drop period.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Integrated Studies in Ed
Status (catalog level): Active

EDTL 627
Credit Weight: 3
Transcript Title: Appl Mth:Tch Math in Sec Sch
Description: Development of expertise in the teaching of mathematics including the development of a comprehensive understanding of conceptual and procedural mathematical knowledge. Teacher role, strategies, problem solving, student thinking and evaluation will be addressed through the development of professional competencies. Parts of this course may be undertaken in school settings.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 628
Credit Weight: 3
Transcript Title: Adv Mth in Tch Math in Sec Sch
Calendar Title: Advanced Methods in Teaching Mathematics in Sec. School.
Description: Continuation of topics covered in EDTL 627. Parts of this course will take place in school settings.
Notes: Prerequisite: EDTL 627; and EDIN 601 or EDIN 610
Corequisite: EDIN 602 or EDIN 620
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 629
Credit Weight: 3
Transcript Title: Appl Mth:Tch Sec Eng Lang Arts
Calendar Title: Applied Methods in Teaching Secondary Eng. Language Arts.
Description: The teaching of English language arts as framed by contemporary youth social worlds, and current research in critical literary/literacy theory. Addressed through the development of professional competencies. Parts of this course may be undertaken in school settings.
Notes: Corequisite: EDIN 601
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 630
Credit Weight: 3
Transcript Title: AdvAppl Mth:Tch Sec Eng LngArt
Calendar Title: Advanced Applied Methods in Teaching Sec English Lang Arts.
Description: Continuation of topics covered in EDTL 629. Parts of this course may be undertaken in school settings.
Notes: Prerequisite: EDTL 629; and EDIN 601 or EDIN 610
Corequisite: EDIN 602 or EDIN 620
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 633
Credit Weight: 3
Transcript Title: Appl Mth:Tch So Sci in Sec Sch
Calendar Title: Applied Methods in Teaching Social Science in Sec. School.
Description: Underpinnings of educational theories and current research in secondary social sciences education. Topics include the nature, content, methodology and implications of professional practice. All addressed through the development of professional competencies. Parts of this course may be undertaken in school settings.
Notes: Corequisite: EDIN 601

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 634
Credit Weight: 3
Transcript Title: AdvApplMth:Tch SoSci in SecSch
Calendar Title: Adv Applied Meth in Teaching Social Sciences in Sec. School.
Description: Continuation of topics covered in EDTL 633. A focus on geography as addressed in the secondary school curriculum is also included. Addressed through the development of appropriate professional competencies. Parts of this course may be undertaken in school settings.
Notes: Prerequisite: EDTL 633; and EDIN 601 or EDIN 610
Corequisite: EDIN 602 or EDIN 620

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 635
Credit Weight: 3
Transcript Title: Applied Meth in Sec Lang Ed
Calendar Title: Applied Methods in Second Language Education.
Description: The development of appropriate strategies for the teaching of second languages in diverse, contemporary contexts in a variety of programs types and levels. Addressed through the development of professional competencies. Parts of this course may be undertaken in school settings.
Notes: Corequisite: EDIN 601

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 636
Credit Weight: 3
Transcript Title: Adv Appl Meth in Sec Lang Ed
Calendar Title: Adv. Applied Methods in Second Language Education.
Description: Continuation of topics covered in EDTL 635. Parts of this course may be undertaken
in school settings.

Notes:
Prerequisite: EDTL 635; and EDIN 601 or EDIN 610
Corequisite: EDIN 602 or EDIN 620
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 640
Credit Weight: 3
Transcript Title: Teacher Inq & Action Research
Calendar Title: Teacher Inquiry and Action Research.
Description:
Furthers students' understanding of teacher inquiry and action research. Students will make connections between their theoretical understandings of research and their own emergence as practitioner researchers in educational settings. Topics include: writing a focused literature review; collaborative and spectator forms of research; ways to identify problems to investigate; data collection and analysis; reflexive praxis; and ways to draw conclusions from research. The major assignment for the course will be the completion of the final written MATL capstone project or equivalent.

Notes:
Prerequisite: EDIN 601 or EDIN 610
**Although this course is an online course, there will be 5 meeting times between the start and end of course. See department for details.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDUM 215
Credit Weight: 0
Transcript Title: Test de cert en français écrit
Calendar Title: Test de certification en français écrit.
Description:
Un test de certification en français écrit pour l'enseignement. Requis pour le programme. Il est obligatoire que ce test ait été réussi avant l'inscription au troisième stage ou l'équivalent.
Notes:
Restriction: prior to third Field experience
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 245
Credit Weight: 3
Transcript Title: Français écrit pour futurs ens
Calendar Title: Français écrit pour futurs enseignants.
Description:
Problèmes textuels, syntaxiques, orthographiques et lexicaux. Stratégies de révision.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 262
Credit Weight: 3
Transcript Title: Système éduc.-profession ens.
Calendar Title: Système éducatif - profession enseignante.
Description:
Initiation aux institutions scolaires du Québec et, au premier chef, à l'école. Initiation au rôle professionnel des enseignants. Perspectives historique et contemporaine.
Notes:
Restriction: Not open to students who have taken UdeM: ETA 1900, McGill: EDEC 247 (formerly EDEM 405) or EDSL 262
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 263
Credit Weight: 3
Transcript Title: Apprentissage et développement
Calendar Title: Apprentissage et développement.
Description:
Notes:
Restriction: Not open to students who have taken UdeM: PPA 1100 or EDSL 263
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 264
Credit Weight: 3
Transcript Title: Phonétique et phonologie
Calendar Title: Phonétique et phonologie.
Description:
Introduction à la phonétique et à la phonologie. Techniques d'analyse et de description.
Notes:
Restriction: Not open to students who have taken UdeM: LNG 1400 or EDSL 264
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 265
Credit Weight: 3
Transcript Title: Acquisition-apprentissage-L2
Calendar Title: Acquisition-apprentissage-langues secondes.
Description:
Notes:
Restriction: Not open to students who have taken UdeM: DID 2102, McGill: EDSL 305 or EDSL 265
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 266
Credit Weight: 3
Transcript Title: Mathématiques au primaire
Calendar Title: Mathématiques au primaire.
Description:
Les mathématiques enseignées : histoire, savoirs, rapport au savoir et transposition. Arrimage entre les différents ordres d'enseignement.
Notes:
Restriction: Not open to students who have taken UdeM: DID 1500 or EDSL 266
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 267
Credit Weight: 3
Transcript Title: Did. des arts plastiques 1
Calendar Title: Didactique des arts plastiques 1.
Description:
Expérience des arts plastiques, médias plastiques, éléments du langage plastique. Programme des arts plastiques au primaire. Élaboration, animation d'activités et évaluation des apprentissages.
Notes:
Restriction: Not open to students who have taken UdeM: DID 2910 or EDSL 267
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 268
Credit Weight: 3
Transcript Title: Intégration des TIC
Calendar Title: Intégration des TIC.
Description:
Développement, mise à l'essai et analyse de situations pédagogiques intégrant stratégiquement les TIC. Réflexion critique et participation à une communauté apprenante dans une perspective de développement professionnel.

Notes:
Restriction: Not open to students who have taken UdeM: PPA 2100 or EDSL 268
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 269
Credit Weight: 3
Transcript Title: École et environnement social
Calendar Title: École et environnement social.
Description:
L'école comme milieu de vie et lieu d'exercice de la citoyenneté. Impacts sur les acteurs éducatifs et les disparités économiques, sociales et culturelles. Critique des politiques et pratiques pertinentes.

Notes:
Restriction: Not open to students who have taken UdeM: ETA 2200 or EDSL 269
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 270
Credit Weight: 3
Transcript Title: Morphologie et syntaxe
Calendar Title: Morphologie et syntaxe.
Description:
Principaux concepts et méthodes de l'analyse morphologique et syntaxique en grammaire générative tranformationnelle. Application à la structure du mot et de la phrase en français contemporain et analyse de constructions problématiques.

Notes:
Restriction: Not open to students who have taken UdeM: LNG 1540 or EDSL 270
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 271
Credit Weight: 3
Transcript Title: Lexique et sémantique
Calendar Title: Lexique et sémantique.
Description:
Types de sens : prédicats et objets sémantiques. Sens lexicaux vs grammaticaux; notion d'unité lexicale; lexique vs grammaire. Relations sémantiques de base (synonymie, antonymie).

Notes:
Restriction: Not open to students who have taken UdeM: LNG 1080 or EDSL 271
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 341
Credit Weight: 3
Transcript Title: Litt. et Litt. Jeunesse en FLS
Calendar Title: Littératie et Littérature Jeunesse en FLS.
Description:
Développement de la littératie en langue seconde; les stratégies d'enseignement et d'apprentissage de la lecture et de l'écriture; l'exploration et l'utilisation de la littérature enfantine et de jeunesse propre à la francophonie dans divers contextes scolaires.

Notes:
Restriction: Not open to students who have taken EDSL 341

Teaching Department: Integrated Studies in Ed

Status (catalog level): Active

EDUM 391

Credit Weight: 3
Transcript Title: Did. du français en accueil 1
Calendar Title: Didactique du français en accueil 1.

Description:
Contenus et démarches en didactique de l'oral et de l'écrit au secondaire en classe d'accueil et autres formules de services d'aide à la francisation. Conception d'activités et de séquences d'apprentissage. Programmes d'étude.

Notes:
Prerequisite: EDSL 301
Restriction: Not open to students who have taken EDSL 391

Administering Faculty: Faculty of Education

Teaching Department: Integrated Studies in Ed

Status (catalog level): Active

EDUM 392

Credit Weight: 3
Transcript Title: Gestion de classe en L2
Calendar Title: Gestion de classe en langues secondes.

Description:

Notes:
Restriction: Not open to students who have taken UdeM: PPA 3222 or EDSL 392

Administering Faculty: Faculty of Education

Teaching Department: Integrated Studies in Ed

Status (catalog level): Active

EDUM 393

Credit Weight: 3
Transcript Title: Adolescent et expérience scol.
Calendar Title: Adolescent et expérience scolaire.

Description:
Développement psychosocial des élèves; influence des environnements sociaux; problématiques contemporaines de l'adolescence (anxiété, suicide, abandon scolaire). Relations entre enseignants - élèves et entres pairs. Aperçu de la recherche récente.

Notes:
Restriction: Not open to students who have taken UdeM: PPA 1210 or EDSL 393

Administering Faculty: Faculty of Education

Teaching Department: Integrated Studies in Ed

Status (catalog level): Active

EDUM 394
Credit Weight: 1
Transcript Title: Séminaire de stage-3e
Calendar Title: Séminaire de stage-3e.
Description:
Analyse réflexive des pratiques d'enseignement propres au secondaire.
Notes:
Prerequisites: EDSL 260, EDFE 261
Corequisite: EDFM 361
Restriction: Not open to students who have taken UdeM: EDU 3080 or EDSL 394
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 402
Credit Weight: 3
Transcript Title: Évaluation en FLS
Calendar Title: Évaluation en français langue seconde.
Description:
Évaluation des compétences en enseignement du FLS : fonctions de l'évaluation; approches normative et critérielle; planification de situations d'évaluation authentiques; élaboration d'instruments; interprétation des résultats; modalités de consignation.
Notes:
Prerequisite: EDFE 361 or EDFM 361 or EDFE 362.
Restriction: Not open to students who have taken EDSL 402
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 491
Credit Weight: 3
Transcript Title: Did. des mathématiques en L2
Calendar Title: Didactique des mathématiques en langues secondes.
Description:
Notes:
Restriction: Not open to students who have taken UdeM: DID 3506 or EDSL 491
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 492
Credit Weight: 3
Transcript Title: Did. des sciences-technologies
Calendar Title: Didactique des sciences-technologies.
Description:
Notes:
Restriction: Not open to students who have taken UdeM: DID 2110 or EDSL 492
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDUM 493
Credit Weight: 3
Transcript Title: Sciences humaines au primaire
Calendar Title: Sciences humaines au primaire.
Description:
Sciences humaines et culture. Nature de savoir élaboré, rapport au savoir et transposition sous forme de programme d'étude. Éducation à la citoyenneté.
Notes:
Restriction: Not open to students who have taken UdeM: DID 2205 or EDSL 493
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 494
Credit Weight: 3
Transcript Title: Did. de l'univers social-TIC
Calendar Title: Didactique de l'univers social et TIC.
Description:
Évaluation critique de logiciels et sites Internet relatifs à l'univers social. Production et diffusion de documents multimédias. Scénario d'intégration pédagogique des TIC.
Notes:
Restriction: Not open to students who have taken UdeM: DID 3237 or EDSL 494
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 495
Credit Weight: 3
Transcript Title: Rech.-résolution de problèmes
Calendar Title: Recherche-résolution de problèmes.
Description:
Études des grands courants de la recherche actuelle en éducation comme facteurs de renouvellement des pratiques pédagogiques en classe hétérogène et de l'école dans un environnement culturel et technologique en mutation.
Notes:
Restriction: Not open to students who have taken UdeM: ETA 4000 or EDSL 495
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 496
Credit Weight: 3
Transcript Title: Lab. de formation prof.
Calendar Title: Laboratoire de formation professionnelle.
Description:
Élaboration d'un projet permettant de faire la synthèse des connaissances et de les mettre en pratique dans le cadre d'une intervention planifiée en collaboration avec les divers intervenants du milieu scolaire.
Notes:
Restriction: Not open to students who have taken UdeM: ETA 4410 or EDSL 496
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDUM 497
Credit Weight: 3
Transcript Title: Probl. en éducation préscol.
Calendar Title: Problématique en éducation préscolaire.
Description: Le rôle et l'évolution des services offerts à la petite enfance au Québec. Les facteurs socio-économiques, culture et familiaux qui affectent le développement du jeune enfant. La prévention auprès de l'enfant et sa famille.
Notes: Restriction: Not open to students who have taken UdeM: PPA 1205 or EDSL 497
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 498
Credit Weight: 3
Transcript Title: Did. du français en accueil 2
Calendar Title: Didactique du français en accueil 2.
Description: Contenus et démarches en didactique du français L2 au primaire en classe d'accueil et autres services d'aide à la francisation. Intégration des TIC. Élèves à besoins particuliers. Conception de projects d'enseignement. Programmes d'étude.
Notes: Prerequisite: EDSL 391 or EDUM 391 Restriction: Not open to students who have taken UdeM: DID 4214 or EDSL 498
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDUM 499
Credit Weight: 2
Transcript Title: Séminaire de stage-4e
Calendar Title: Séminaire de stage-4e.
Description: Analyse réflexive des pratiques d'enseignement dans une perspective d'insertion professionnelle.
Notes: Prerequisites: EDSL 394 or EDUM 394, and EDFE 361 or EDFM 361 Corequisite: EDFM 460 Restriction: Not open to students who have taken UdeM: EDU 4061 or EDSL 499
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
ELEC 200
Credit Weight: 0
Transcript Title: GPH Pre-Clerkship Elective
Calendar Title: Global and Public Health Pre-Clerkship Elective.
Description:
The global and public health pre-clerkship elective course offers pre-clerkship medical students the opportunity to gain experience in Global and Public Health. Students will learn about Global Health and/or Public Health through structured community-based projects and activities locally, provincially, nationally or abroad. This includes, but is not limited to, IFMSA-Quebec exchanges, CFMS exchanges, and INcommunity experiences.
Notes:
Prerequisite(s): Students participating in international placements are required to complete the online Global Health Programs pre-departure workshop.
Restriction(s): All requests will require approval by the department.
Med-P students do not qualify for enrolment in the 0-credit course. The course is open to MDCM medical students prior to clerkship and until the end of FMD (Dentistry students are not eligible).
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 300
Credit Weight: 4
Transcript Title: Elective
Calendar Title: Elective.
Description:
Pre-Clerkship four (4) week rotations.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 400
Credit Weight: 4
Transcript Title: Elective 1 Clerkship
Calendar Title: Elective 1 Clerkship.
Description:
Four (4) week clinical rotations.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 400D1
Credit Weight: 2
Transcript Title: Elective 1 Clerkship
Calendar Title: Elective 1 Clerkship.
Description:
Four (4) week clinical rotations.
Notes:
Students must register for both ELEC 400D1 and ELEC 400D2.
No credit will be given for this course unless both ELEC 400D1 and ELEC 400D2 are successfully completed in consecutive terms.
ELEC 400D1 and ELEC 400D2 together are equivalent to ELEC 400
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
ELEC 400D2
Credit Weight: 2
Transcript Title: Elective 1 Clerkship
Calendar Title: Elective 1 Clerkship.
Description: Four (4) week clinical rotations.
Notes: Prerequisite: ELEC 400D1
No credit will be given for this course unless both ELEC 400D1 and ELEC 400D2 are successfully completed in consecutive terms
ELEC 400D1 and ELEC 400D2 together are equivalent to ELEC 400
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 401
Credit Weight: 3
Transcript Title: Elective 2 Clerkship
Calendar Title: Elective 2 Clerkship.
Description: Four (4) week clinical rotations.
Notes: Restriction: Good standing in M.D.,C.M. Program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 402
Credit Weight: 3
Transcript Title: Elective 3 Clerkship
Calendar Title: Elective 3 Clerkship.
Description: Four (4) week clinical rotations.
Notes: Restriction: Good standing in M.D.,C.M. Program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 403
Credit Weight: 3
Transcript Title: Elective 4 Clerkship
Calendar Title: Elective 4 Clerkship.
Description: Four (4) week clinical rotations.
Notes: Prerequisite: ELEC 400.
Restriction: Good standing in M.D.,C.M. Program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 404
Credit Weight: 3
Transcript Title: Elective 5 Clerkship
Calendar Title: Elective 5 Clerkship.
Description:
Three (3) week clinical elective course.
Notes:
Prerequisite: ELEC 400.
Restriction: Good standing in M.D., C.M. Program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

ELEC 405
Credit Weight: 3
Transcript Title: Elective 5 - Senior Clerkships
Calendar Title: Elective 5 - Senior Clerkships.
Description:
Four (4) week clinical rotations.
Notes:
Prerequisite: ELEC 400.
Restriction: Good standing in M.D., C.M. Program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
ENGL 199
Credit Weight: 3
Transcript Title: FYS: Form and Representation
Calendar Title: FYS: Form and Representation.
Description:
Introduction to major modes of literary and cultural representation in English, including poetry, drama, film, the novel, and other forms.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Restriction: Open only to newly admitted students in U0 or U1. Students may take only one First Year Seminar. Students who register for more than one will be removed from all but one of them.
Maximum enrolment: 25
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 200
Credit Weight: 3
Transcript Title: Survey of English Literature 1
Calendar Title: Survey of English Literature 1.
Description:
A survey of English literature before 1750 for students not registered in English programs.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Restriction: Not open to students in English programs
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 201
Credit Weight: 3
Transcript Title: Survey of English Lit 2
Calendar Title: Survey of English Literature 2.
Description:
A survey of English literature after 1750 for students not registered in English programs.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Restriction: Not open to students in English programs
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 202
Credit Weight: 3
Transcript Title: Dept. Survey of English Lit. 1
Calendar Title: Departmental Survey of English Literature 1.
Description:
A survey of English literature before 1750 for students registered in English programs.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Restriction: Limited to students in English programs only
Restriction: Not open to students who have taken ENGL 200
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 203
Credit Weight: 3
Transcript Title: Dept. Survey of English Lit. 2
Calendar Title: Departmental Survey of English Literature 2.
Description:
A survey of English literature after 1750 for students registered in English programs.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Prerequisite: ENGL 202 or permission of instructor.
Restriction: Limited to students in English programs only
Restriction: Not open to students who have taken ENGL 201
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 204
Credit Weight: 3
Transcript Title: English Literature & the Bible
Calendar Title: English Literature and the Bible.
Description:
This course will examine the literary dimensions of the Bible including structure, style, and meaning as well as its status as Sacred Book. The influence of the Bible-as-metatext on the secular literature of the West will be the focus of the discussion.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 215
Credit Weight: 3
Transcript Title: Intro to Shakespeare
Calendar Title: Introduction to Shakespeare.
Description:
A study of a selection of plays, in their intellectual and theatrical context, with an emphasis on the interplay of text and performance.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 225
Credit Weight: 3
Transcript Title: American Literature 1
Calendar Title: American Literature 1.
Description:
A study of the literary works of earlier American writers.
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 226
Credit Weight: 3
Transcript Title: American Literature 2
Calendar Title: American Literature 2.
Description:
A study of the literary works of later American writers.
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 227
Credit Weight: 3
Transcript Title: American Literature 3
Calendar Title: American Literature 3.
Description:
A study of literary works which may be thematic or may deal with a special group of authors.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 228
Credit Weight: 3
Transcript Title: Canadian Literature 1
Calendar Title: Canadian Literature 1.
Description:
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 229
Credit Weight: 3
Transcript Title: Canadian Literature 2
Calendar Title: Canadian Literature 2.
Description:
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 230
Credit Weight: 3
Transcript Title: Intro to Theatre Studies
Calendar Title: Introduction to Theatre Studies.
Description:
An introduction to dramatic literature, text analysis, textual and performance theory, and theatre history.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 237
Credit Weight: 3
Transcript Title: Intro to Study of a Lit Form
Calendar Title: Introduction to Study of a Literary Form.
Description:
An introduction to literary study through a survey of a literary genre, mode, or
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Winter

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 250**

**Credit Weight:** 3

**Transcript Title:** The Art of Theatre

**Calendar Title:** The Art of Theatre.

**Description:**
Understanding, appreciation, and critical perceptions of theatre focusing on readings and lectures on issues such as the elements of theatrical practice; artists and innovators of theatre throughout history; and the theatre's development as an art form and social phenomenon.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 269**

**Credit Weight:** 3

**Transcript Title:** Introduction to Performance

**Calendar Title:** Introduction to Performance.

**Description:**
The focus of this course is on the actor as communicator, and on those things (material, physical, and textual) which are inescapably central to the theatrical performance.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Winter**

Restriction: Restricted to Drama and Theatre Majors

Open to Drama and Theatre Majors

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 275**

**Credit Weight:** 3

**Transcript Title:** Intro to Cultural Studies

**Calendar Title:** Introduction to Cultural Studies.

**Description:**
A survey of cultural studies, its history and subject matter, presenting key interpretive and analytic concepts, the aesthetic and political issues involved in the construction of sign systems, definitions of culture and cultural values conceptualized both as a way of life and as a set of actual practices and products.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Fall**
Required of all U1 Cultural Studies students

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

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**ENGL 277**

**Credit Weight:** 3

**Transcript Title:** Introduction to Film Studies

**Calendar Title:** Introduction to Film Studies.

**Description:**
An introduction to key concepts in film studies. Exemplary works from the history of film will be studied to introduce students to such topics as the aesthetics of film; sound's production of meaning; film as narrative; film and genre; period and national cinemas; film's role in culture.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**Fall**

**Restriction:** Cultural Studies Major and Honours program students.

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**ENGL 279**

**Credit Weight:** 3

**Transcript Title:** Introduction to Film as Art

**Calendar Title:** Introduction to Film as Art.

**Description:**
An introduction to film aesthetics, with emphasis on narrative, style and genre throughout the history of cinema.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

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**ENGL 280**

**Credit Weight:** 3

**Transcript Title:** Intro to Film as Mass Medium

**Calendar Title:** Introduction to Film as Mass Medium.

**Description:**
An introduction to film's social, historical, and technological contexts, including its relationships to other mass media.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

Students will be required to pay a screening fee.

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**ENGL 290**
Credit Weight: 3
Transcript Title: Postcolonial & World Lits: Engl
Calendar Title: Postcolonial and World Literatures in English.
Description:
A critical introduction to the field of postcolonial and world literature studies, drawing on a selection texts from South and East Asia, Africa, and the Caribbean.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 297
Credit Weight: 3
Transcript Title: Special Topics of Lit. Study
Calendar Title: Special Topics of Literary Study.
Description:
Special topics of literary study. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 301
Credit Weight: 3
Transcript Title: Earlier 18th Century Novel
Calendar Title: Earlier 18th Century Novel.
Description:
Study of the English novel to c. 1750.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 302
Credit Weight: 3
Transcript Title: Restoration & 18th C Engl Lit 1
Calendar Title: Restoration and 18th C. English Literature 1.
Description:
A study of the major writers of the late 17th and earlier 18th centuries.
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Restoration & 18th C Engl Lit 2
Calendar Title: Restoration and 18th C. English Literature 2.
Description:
A study of the major writers of the later 18th century.
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 304
Credit Weight: 3
Transcript Title: Later Eighteenth Century Novel
Calendar Title: Later Eighteenth Century Novel.
Description:
A study of later 18th century novels.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 305
Credit Weight: 3
Transcript Title: Renaissance Eng Lit 1
Calendar Title: Renaissance English Literature 1.
Description:
A study of major non-dramatic works of the earlier Renaissance in England.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 306
Credit Weight: 3
Transcript Title: Theatre Hist: Mediev Early Mod
Calendar Title: Theatre History: Mediaeval and Early Modern.
Description:
A study of works of Mediaeval and Tudor drama.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 307
Credit Weight: 3
Transcript Title: Renaissance Eng Lit 2
Calendar Title: Renaissance English Literature 2.
Description: A study of major non-dramatic works of the later Renaissance in England.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 308
Credit Weight: 3
Transcript Title: English Renaissance Drama 1
Calendar Title: English Renaissance Drama 1.
Description: An overview of some major authors and issues in English Renaissance Drama.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 310
Credit Weight: 3
Transcript Title: Restoration & 18th C Drama
Calendar Title: Restoration and 18th Century Drama.
Description: A study of works of Restoration and 18th century drama.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 311
Credit Weight: 3
Transcript Title: Poetics
Calendar Title: Poetics.
Description: Discussion and application of basic critical tools for analysis of literature. Study of such features of poetry and prose fiction as prosody, diction, voice, tone, imagery, figurative language, point of view, narrative form, and character.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Fall**

Restriction: Limited to students in English Major Concentration, Literature Option.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 312**  
**Credit Weight:** 3  
**Transcript Title:** Victorian & Edwardian Drama 1  
**Calendar Title:** Victorian and Edwardian Drama 1.  
**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Winter**

**ENGL 314**  
**Credit Weight:** 3  
**Transcript Title:** 20th Century Drama  
**Calendar Title:** 20th Century Drama.  
**Description:**  
A study of selected representative works in modern drama and theatre.  
**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**ENGL 315**  
**Credit Weight:** 3  
**Transcript Title:** Shakespeare
Calendar Title: Shakespeare.
Description: A study of the major works of Shakespeare.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 316
Credit Weight: 3
Transcript Title: Milton
Calendar Title: Milton.
Description: A study of the works of Milton.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 316D1
Credit Weight: 1.5
Transcript Title: Milton
Calendar Title: Milton.
Description: A study of the works of Milton.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.
Students must register for both ENGL 316D1 and ENGL 316D2. No credit will be given for this course unless both ENGL 316D1 and ENGL 316D2 are successfully completed in consecutive terms.
ENGL 316D1 and ENGL 316D2 together are equivalent to ENGL 316

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Inactive

ENGL 316D2
Credit Weight: 1.5
Transcript Title: Milton
Calendar Title: Milton.
Description: See ENGL 316D1 for course description.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.
Prerequisite: ENGL 316D1
No credit will be given for this course unless both ENGL 316D1 and ENGL 316D2 are successfully completed in consecutive terms.

ENGL 316D1 and ENGL 316D2 together are equivalent to ENGL 316.

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Inactive

ENGL 317

Credit Weight: 3

Transcript Title: Theory of English Studies 1

Calendar Title: Theory of English Studies 1.

Description:
Philosophical approaches.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall

Restriction: Limited to students in English Major and Honours Programs

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Active

ENGL 318

Credit Weight: 3

Transcript Title: Theory of English Studies 2

Calendar Title: Theory of English Studies 2.

Description:
Socio-Historical approaches.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall

Restriction: Limited to students in English Major and Honours Programs

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Active

ENGL 319

Credit Weight: 3

Transcript Title: Theory of English Studies 3

Calendar Title: Theory of English Studies 3.

Description:
Cultural theory now.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Winter

Restriction: Limited to students in English Major and Honours Programs

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Active

ENGL 320
Credit Weight: 3
Transcript Title: Postcolonial Literature
Calendar Title: Postcolonial Literature.
Description:
A study of postcolonial literature.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 322
Credit Weight: 3
Transcript Title: Theories of the Text
Calendar Title: Theories of the Text.
Description:
A course focusing on textuality (as opposed to, say, intentionality and interpretation) and on how specific effects are made – how texts work and produce meaning, including rhetoric and form.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Fall
Restriction: Limited to students in English Major and Honours Programs.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 324
Credit Weight: 3
Transcript Title: 20th C American Prose
Calendar Title: 20th Century American Prose.
Description:
A study of 20th century American prose.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 326
Credit Weight: 3
Transcript Title: 19th Century American Prose
Calendar Title: 19th Century American Prose.
Description:
A study of some of the major prose writers of the 19th Century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a
Fall

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 327
Credit Weight: 3
Transcript Title: Canadian Prose Fiction 1
Calendar Title: Canadian Prose Fiction 1.
Description:
A survey of Canadian prose fiction in English, from 19th century historical romance and realist fiction to the emergence of the modernist novel in the decades following the Second World War.
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href='http://www.mcgill.ca/english'>www.mcgill.ca/english</a>.

Winter

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 328
Credit Weight: 3
Transcript Title: Dvlpmnt of Canadian Poetry 1
Calendar Title: Development of Canadian Poetry 1.
Description:
A survey of Canadian poetry in English from the 18th century to the end of the Second World War.
Symbols: ALTY - Taught in alternate years
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href='http://www.mcgill.ca/english'>www.mcgill.ca/english</a>.

Winter

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 329
Credit Weight: 3
Transcript Title: English Novel: 19th Century 1
Calendar Title: English Novel: 19th Century 1.
Description:
A study of representative novelists of the earlier 19th century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href='http://www.mcgill.ca/english'>www.mcgill.ca/english</a>.

Fall

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 330
Credit Weight: 3
Transcript Title: English Novel: 19th Century 2
Calendar Title: English Novel: 19th Century 2.
Description: A study of representative novelists of the later 19th century.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 331
Credit Weight: 3
Transcript Title: Literature Romantic Period 1
Calendar Title: Literature Romantic Period 1.
Description: A survey of representative literature of the earlier Romantic period.
Symbols: ALTY - Taught in alternate years
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 332
Credit Weight: 3
Transcript Title: Literature Romantic Period 2
Calendar Title: Literature Romantic Period 2.
Description: A survey of representative literature of the later Romantic period.
Symbols: ALTY - Taught in alternate years
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 333
Credit Weight: 3
Transcript Title: Dvlpmnt of Canadian Poetry 2
Calendar Title: Development of Canadian Poetry 2.
Description: A survey of Canadian poetry in English from the end of the Second World War to the present.
Symbols: ALTY - Taught in alternate years
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 334
Credit Weight: 3
Transcript Title: Victorian Poetry
Calendar Title: Victorian Poetry.
Description:
A study of the major Victorian poets.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 335
Credit Weight: 3
Transcript Title: The 20th Century Novel 1
Calendar Title: The 20th Century Novel 1.
Description:
The Novel from the last years of the 19th century to World War II.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 336
Credit Weight: 3
Transcript Title: The 20th Century Novel 2
Calendar Title: The 20th Century Novel 2.
Description:
A study of 20th century novels.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 337
Credit Weight: 3
Transcript Title: Theme or Genre in Medieval Lit
Calendar Title: Theme or Genre in Medieval Literature.
Description:
Study of a particular theme or genre of significance to the development of medieval literature.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 342
Credit Weight: 3
Transcript Title: Introduction to Old English
Calendar Title: Introduction to Old English.
Description:
An introduction to grammar and basic vocabulary in Old English.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Winter
Restriction: Not open to students who have taken ENGL 351.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 343
Credit Weight: 3
Transcript Title: Literature & Science 1
Calendar Title: Literature and Science 1.
Description:
A study of literature and science. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 345
Credit Weight: 3
Transcript Title: Literature and Society
Calendar Title: Literature and Society.
Description:
An examination of issues relating to literature and its social contexts, such as implications of gender, race, ethnicity.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active
ENGL 346
Credit Weight: 3
Transcript Title: Materiality & Sociology of Text
Calendar Title: Materiality and Sociology of Text.
Description:
Writing, printing, distribution, marketing, and placement within canon-making institutions; the influence of material forms of production and transmission on the creation and reception of literature, film, and theatre.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter
Restriction: Limited to students in English Major and Honours Programs.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 347
Credit Weight: 3
Transcript Title: Great Writings of Europe 1
Calendar Title: Great Writings of Europe 1.
Description:
A study of selected texts that significantly enhance understanding of English literature.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 348
Credit Weight: 3
Transcript Title: Great Writings of Europe 2
Calendar Title: Great Writings of Europe 2.
Description:
A study of selected texts that significantly enhance understanding of English literature.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 349
Credit Weight: 3
Transcript Title: English Literature & Folklore 1
Calendar Title: English Literature and Folklore 1.
Description:
A study of representative texts from Beowulf to the late Renaissance period in relation to their background in folk tradition. A focus on the origin and development of folklore motifs.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english target="_blank">www.mcgill.ca/english</a>.

Fall

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 350
Credit Weight: 3
Transcript Title: Studies in the Hist of Film 1
Calendar Title: Studies in the History of Film 1.
Description:
Developments in proto-cinema and early cinema through the silent era.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english target="_blank">www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 351
Credit Weight: 3
Transcript Title: Studies in the Hist of Film 2
Calendar Title: Studies in the History of Film 2.
Description:
Developments in the Hollywood Studio Era, including rivals, imitators, and alternatives.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english target="_blank">www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 352
Credit Weight: 3
Transcript Title: Theories of Difference
Calendar Title: Theories of Difference.
Description:
Introduction to a selection of theories that have influenced thinking about difference across the humanities and social sciences, including gender, sexuality, race, class and hierarchical structures, language, religion, ethnicity, and personal identity.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english target="_blank">www.mcgill.ca/english</a>.
Restriction: Limited to students in English Major and Honours Programs.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 354
Credit Weight: 3
Transcript Title: Sexuality and Representation
Calendar Title: Sexuality and Representation.
Description:
Topics on representations of sexuality with reference to its cultural contexts.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Fal
Priority will be given to English Major/Honours students in second year of program

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 355
Credit Weight: 3
Transcript Title: The Poetics of Performance
Calendar Title: The Poetics of Performance.
Description:
This course, normally taken in tandem with ENGL 230, examines and tests theories of acting, directing, and design through scene work and practical exercises.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Fal
Restriction: Limited to students in the English Major Concentration, Drama and Theatre Option

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 356
Credit Weight: 3
Transcript Title: Middle English
Calendar Title: Middle English.
Description:
A study of works in Middle English.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Win

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 357
Credit Weight: 3  
Transcript Title: Chaucer  
Calendar Title: Chaucer .  
Description:  
A study of the works of Chaucer.  
Symbols: ALTY - Taught in alternate years  
Notes:  
Topics vary from year to year.  
Administering Faculty: Faculty of Arts  
Teaching Department: English  
Status (catalog level): Active

ENGL 359  
Credit Weight: 3  
Transcript Title: The Poetics of the Image  
Calendar Title: The Poetics of the Image.  
Description:  
This course examines contemporary debates about the aesthetic dimensions as well as social roles of pictorial, theatrical, cinematic, and other representations, the meanings, effects, and aesthetic significance of which depend on their having visually recognizable features.  
Notes:  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english  target=¿_blank¿>www.mcgill.ca/english</a>.  
Winter  
Restriction: Limited to students in the English Major Concentration, Cultural Studies Option  
Administering Faculty: Faculty of Arts  
Teaching Department: English  
Status (catalog level): Active

ENGL 360  
Credit Weight: 3  
Transcript Title: Literary Criticism  
Calendar Title: Literary Criticism.  
Description:  
Principles of literary criticism.  
Notes:  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english  target=¿_blank¿>www.mcgill.ca/english</a>.  
Winter  
Prerequisite: at least 3 credits of ENGL 200, ENGL 201, ENGL 202, ENGL 203.  
Pre-/Co-requisite: ENGL 311. Required for but not restricted to Literature Honours students  
Administering Faculty: Faculty of Arts  
Teaching Department: English  
Status (catalog level): Active

ENGL 361  
Credit Weight: 3  
Transcript Title: Poetry of the 20th Century 1  
Calendar Title: Poetry of the 20th Century 1.  
Description:  
A critical survey of major British and North American poetry, c. 1890 - 1940.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 362
Credit Weight: 3
Transcript Title: Poetry of the 20th Century 2
Calendar Title: Poetry of the 20th Century 2.
Description:
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisite: ENGL 311
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 363
Credit Weight: 3
Transcript Title: Studies in the Hist of Film 3
Calendar Title: Studies in the History of Film 3.
Description:
Developments in post-1958 cinema, from the European New Waves to contemporary global and independent cinemas.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 364
Credit Weight: 3
Transcript Title: Creative Writing
Calendar Title: Creative Writing.
Description:
Advanced seminar on creative writing.
Notes:
Restriction: Permission of instructor required.
For the most detailed and up-to-date topics of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.
Admission subject to application, with writing sample.
Topics vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active
ENGL 365
Credit Weight: 3
Transcript Title: Costuming for the Theatre 1
Calendar Title: Costuming for the Theatre 1.
Description: Introduction to costume-making for the theatre, covering fabrics, textiles and costume decoration.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Restriction: Permission of instructor required.
Restriction: Not open to students enrolled in ENGL 368
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 366
Credit Weight: 3
Transcript Title: Film Genre
Calendar Title: Film Genre.
Description: A discussion of an individual genre of cinema; concept of genre.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 367
Credit Weight: 3
Transcript Title: Acting 2
Calendar Title: Acting 2.
Description: The actor as analyzer of scripts and characters; textual analysis, practice in character development through improvisations, mask work and physical training.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Prerequisite: ENGL 269 and permission of instructor.
Restriction: Not open to students who have taken 110-469D
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 368
Credit Weight: 3
Transcript Title: Stage Scenery & Lighting 1
Calendar Title: Stage Scenery and Lighting 1.
Description: An introduction to the technical aspects of stage settings and theatrical lighting.

Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Fall

Restriction: Permission of instructor required.
Restriction: Not open to students enrolled in ENGL 365

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 370
Credit Weight: 3
Transcript Title: Theatre Hist: The Long 18th C
Calendar Title: Theatre History: The Long Eighteenth Century.

Description: A survey of dramatic forms and genres and theatrical practices from the Restoration through the 18th century to the Romantic period.

Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Fall

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 371
Credit Weight: 3
Transcript Title: Theatre Hist: 19th to 21st C
Calendar Title: Theatre History: 19th to 21st Centuries.

Description: History of predominantly Western theatre practices from circa 1830 to the present.

Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 372
Credit Weight: 3
Transcript Title: Stage Scenery & Lighting 2
Calendar Title: Stage Scenery and Lighting 2.

Description: Aspects of stage scenery and theatrical lighting.

Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Winter
Restriction: Not open to students enrolled in ENGL 377.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 374**

**Credit Weight:** 3

**Transcript Title:** Film Movement or Period

**Calendar Title:** Film Movement or Period.

**Description:**
Study of a significant movement or period in film history.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 375**

**Credit Weight:** 3

**Transcript Title:** Interpretation Dramatic Text

**Calendar Title:** Interpretation Dramatic Text.

**Description:**
A study of the dramatic text as literature, and as a basis for theatre production. Emphasis on character and character development, on structure and motivational units, and on the visualization of the play in performance.

**Notes:**
Fall

Prerequisites: ENGL 230 and ENGL 269 or permission of the instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 375D1**

**Credit Weight:** 1.5

**Transcript Title:** Interpretation Dramatic Text

**Calendar Title:** Interpretation Dramatic Text.

**Description:**
A study of the dramatic text as literature, and as a basis for theatre production. Emphasis on character and character development, on structure and motivational units, and on the visualization of the play in performance.

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

Students must register for both ENGL 375D1 and ENGL 375D2.

No credit will be given for this course unless both ENGL 375D1 and ENGL 375D2 are successfully completed in consecutive terms.

ENGL 375D1 and ENGL 375D2 together are equivalent to ENGL 375.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

**ENGL 375D2**

**Credit Weight:** 1.5
**Transcript Title:** Interpretation Dramatic Text  
**Calendar Title:** Interpretation Dramatic Text.  
**Description:**  
A study of the dramatic text as literature, and as a basis for theatre production. Emphasis on character and character development, on structure and motivational units, and on the visualization of the play in performance.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Students must register for both ENGL 375D1 and ENGL 375D2. No credit will be given for this course unless both ENGL 375D1 and ENGL 375D2 are successfully completed in consecutive terms. ENGL 375D1 and ENGL 375D2 together are equivalent to ENGL 375.  
*Administering Faculty:* Faculty of Arts  
*Teaching Department:* English  
*Status (catalog level):* Active

**ENGL 376**  
**Credit Weight:** 3  
**Transcript Title:** Scene Study  
**Calendar Title:** Scene Study.  
**Description:** Scene study for the theatre.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.  
*Fall*  
*Administering Faculty:* Faculty of Arts  
*Teaching Department:* English  
*Status (catalog level):* Active

**ENGL 377**  
**Credit Weight:** 3  
**Transcript Title:** Costuming for the Theatre 2  
**Calendar Title:** Costuming for the Theatre 2.  
**Description:** Advanced topics in costume-making for the theatre, including millinery, dyeing, costume breakdown, and silk painting techniques.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.  
*Winter*  
*Prerequisite:* permission of instructor.  
*Restriction:* Not open to students enrolled in ENGL 372.  
*Administering Faculty:* Faculty of Arts  
*Teaching Department:* English  
*Status (catalog level):* Active

**ENGL 378**  
**Credit Weight:** 3  
**Transcript Title:** Media and Culture  
**Calendar Title:** Media and Culture.  
**Description:**
An introduction to the study of television and its distinctive aesthetic, generic, and discursive features.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Prerequisite: ENGL 275

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 379
Credit Weight: 3
Transcript Title: Film Theory
Calendar Title: Film Theory.
Description:
Topics in film studies. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 380
Credit Weight: 3
Transcript Title: Non-Fic Media: Cine. TV. Radio
Calendar Title: Non-Fiction Media: Cinema, Television, Radio.
Description:
Historical, formal, and thematic analysis of non-fictional and documentary works within cinema, television, and radio.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 381
Credit Weight: 3
Transcript Title: A Film-Maker 1
Calendar Title: A Film-Maker 1.
Description:
Studies in the history of film: the works of a major director. Topic varies each year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Restriction: Limited to students in English Major programs
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 382
Credit Weight: 3
Transcript Title: International Cinema 1
Calendar Title: International Cinema 1.
Description:
Studies in the history of film by period or nation. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 383
Credit Weight: 3
Transcript Title: Studies in Communications 1
Calendar Title: Studies in Communications 1.
Description:
Studies in the relationships between the media and culture.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Restriction: Permission of instructor required
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 385
Credit Weight: 3
Transcript Title: Topics in Literature and Film
Calendar Title: Topics in Literature and Film.
Description:
A topic in literature and film. Topics vary by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 388
Credit Weight: 3
Transcript Title: Studies in Popular Culture
Calendar Title: Studies in Popular Culture.
Description:
History and development of important forms of popular culture. Topics may include traditional ballads; fairs; carnivals and popular festivity; material culture; popular fiction; mainstream television.
ENGL 389
Credit Weight: 3
Transcript Title: Studies in Popular Culture
Calendar Title: Studies in Popular Culture.
Description: History and development of important forms of popular culture.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 390
Credit Weight: 3
Transcript Title: Political and Cultural Theory
Calendar Title: Political and Cultural Theory.
Description: The intersection between theories of culture and theories of society.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

ENGL 391
Credit Weight: 3
Transcript Title: Spec Top:Cultural Studies 1
Calendar Title: Special Topics: Cultural Studies 1.
Description: Current issues in cultural studies. Topics will include contemporary debates on high culture and the literary canon, and the question of aesthetic value and aesthetic judgment.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Canadian Cinema
Calendar Title: Canadian Cinema.
Description: A study of Canadian cinema.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 394
Credit Weight: 3
Transcript Title: Popular Literary Forms
Calendar Title: Popular Literary Forms.
Description: A popular literary author or genre, such as the romance novel, science fiction, the graphic novel, or cyberpunk.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 395
Credit Weight: 3
Transcript Title: Cultural and Theatre Studies
Calendar Title: Cultural and Theatre Studies.
Description: The relationships between theatre and forms of popular culture, including but not limited to cinematic and televisual adaptations of theatrical works.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisite: ENGL 275

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 396
Credit Weight: 3
Transcript Title: Theatre Practicum 1
Calendar Title: Theatre Practicum 1.
Description: Training in acting and other on-stage roles in theatrical performance.
Notes: Students enrol by permission of the instructor (the director of the play) after they have been cast.
Occasionally, students in non-acting roles (such as choreographer or assistant director) may enrol in the course.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 397
Credit Weight: 3
Transcript Title: Theatre Practicum 2
Calendar Title: Theatre Practicum 2.
Description:
Training in acting and other on-stage roles in theatrical performance.
Notes:
Students enrol by permission of the instructor (the director of the play) after they have been cast. Occasionally, students in non-acting roles (such as choreographer or assistant director) may enrol in the course.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 400
Credit Weight: 3
Transcript Title: Earlier English Renaissance
Calendar Title: Earlier English Renaissance.
Description:
A study of earlier English Renaissance works.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 401
Credit Weight: 3
Transcript Title: Studies in the 17th Cent
Calendar Title: Studies in the 17th Century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 403
Credit Weight: 3
Transcript Title: Studies in the 18th Cent
Calendar Title: Studies in the 18th Century.
Description:
A study of 18th century works.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 404
Credit Weight: 3
Transcript Title: Studies in 19th Cent Lit 1
Calendar Title: Studies in 19th Century Literature 1.
Description: A study of 19th century works.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 405
Credit Weight: 3
Transcript Title: Studies in 19th Cent Lit 2
Calendar Title: Studies in 19th Century Literature 2.
Description: A study of 19th century works.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 407
Credit Weight: 3
Transcript Title: The 20th Century
Calendar Title: The 20th Century.
Description: A study of 20th century works.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 408
Credit Weight: 3
Transcript Title: The 20th Century
Calendar Title: The 20th Century.
Description: A study of 20th century works.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 409
Credit Weight: 3
Transcript Title: Studies in a Canadian Author
Calendar Title: Studies in a Canadian Author.
Description: Advanced study of a significant author in Canadian literature.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Prerequisite: previous work in Canadian Literature

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 410
Credit Weight: 3
Transcript Title: Theme or Movement Canadian Lit
Calendar Title: Theme or Movement Canadian Literature.
Description: Advanced study of a significant theme or movement in Canadian Literature.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter
Prerequisite: previous work in Canadian Literature

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 411
Credit Weight: 3
Transcript Title: Studies in Cdn Fiction
Calendar Title: Studies in Canadian Fiction.
Description: Advanced study of works of Canadian fiction.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Fall
Prerequisite: Permission of instructor, based on previous work in Canadian fiction

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active
ENGL 413
Credit Weight: 3
Transcript Title: Sp Topics in Cdn Drama&Theatre
Calendar Title: Special Topics in Canadian Drama and Theatre.
Description:
Advanced study focused on a period or issue in Canadian drama and/or theatre history.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Prerequisite: Students not registered in English programs require permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 414
Credit Weight: 3
Transcript Title: Studies in 20th C Literature 1
Calendar Title: Studies in 20th Century Literature 1.
Description:
Study of works of literature of the 20th century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 415
Credit Weight: 3
Transcript Title: Studies in 20th C Lit 2
Calendar Title: Studies in 20th Century Literature 2.
Description:
Study of works of literature of the 20th century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 416
Credit Weight: 3
Transcript Title: Studies in Shakespeare
Calendar Title: Studies in Shakespeare.
Description:
A study of the works of Shakespeare.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 417
Credit Weight: 3
Transcript Title: A Major English Poet
Calendar Title: A Major English Poet.
Description:
A study of the works of a major English poet.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 418
Credit Weight: 3
Transcript Title: A Major Modernist Writer
Calendar Title: A Major Modernist Writer.
Description:
Intensive study of a writer important for Modernism, such as James Joyce, T.S. Eliot, Ezra Pound, Gertrude Stein.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 419
Credit Weight: 3
Transcript Title: Studies in 20th C Literature
Calendar Title: Studies in 20th Century Literature.
Description:
Study of works of literature of the 20th century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 421
Credit Weight: 3
Transcript Title: African Literature
Calendar Title: African Literature.
Description:
A study of African literature.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 422
Credit Weight: 3
Transcript Title: Studies in 19th C American Lit
Calendar Title: Studies in 19th Century American Literature.
Description:
A study of literary works of the 19th century.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 423
Credit Weight: 3
Transcript Title: Studies in 19th C Literature
Calendar Title: Studies in 19th Century Literature.
Description:
A study of literary works of the 19th century.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Whitman, Dickinson, Melville's Moby Dick, and Others
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 424
Credit Weight: 3
Transcript Title: Irish Literature
Calendar Title: Irish Literature.
Description:
A study of Irish literature. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 430
Credit Weight: 3
Transcript Title: Studies in Drama
Calendar Title: Studies in Drama.
Description: A study of a period or genre of drama. Topic varies by year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 431
Credit Weight: 3
Transcript Title: Studies in Drama
Calendar Title: Studies in Drama.
Description: A study of a period or genre of drama. Topic varies by year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 434
Credit Weight: 3
Transcript Title: Independent Theatre Project
Calendar Title: Independent Theatre Project.
Description: Supervised independent work on an approved theatre project.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall and Winter
This course will allow students to undertake special projects, frequently involving background readings, performances, and essays. This course is normally open only to Major or Honours students in the Department. Permission must be obtained from the Department before registration.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 437
Credit Weight: 3
Transcript Title: Studies in Literary Form
Calendar Title: Studies in Literary Form.
Description: Study of a specific literary form. Topic varies by year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
ENGL 438
Credit Weight: 3
Transcript Title: Studies in Literary Form
Calendar Title: Studies in Literary Form.
Description:
Study of a specific literary form.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

ENGL 440
Credit Weight: 3
Transcript Title: First Nations&Inuit Lit&Media
Calendar Title: First Nations and Inuit Literature and Media.
Description:
An introduction to Inuit and First Nations literature and media in Canada, including oral literature and the development of aboriginal television and film.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

ENGL 441
Credit Weight: 3
Transcript Title: Spec Topics in Cdn Cultural St
Calendar Title: Special Topics in Canadian Cultural Studies.
Description:
Advanced study of a specific area of Canadian culture or Canadian cultural theory.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

ENGL 443
Credit Weight: 3
Transcript Title: Contemporary Women's Fiction
Calendar Title: Contemporary Women's Fiction.
Description:
Study of a theme or author in contemporary women's fiction.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 444
Credit Weight: 3
Transcript Title: Studies in Women Authors
Calendar Title: Studies in Women Authors.
Description:
Study of a particular topic related to literary, dramatic, or cultural productions by female-identified authors.
Notes:
For the most detailed and up-to-date topics of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.
Topics vary year to year.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 447
Credit Weight: 3
Transcript Title: Xcurrents/Eng Lit & Eur Lit 1
Calendar Title: Crosscurrents/English Literature and European Literature 1.
Description:
Comparative study of English and European literature. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 450
Credit Weight: 3
Transcript Title: Film Aesthetics
Calendar Title: Film Aesthetics.
Description:
Theories of the formal, stylistic, and expressive dimensions of film art.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 451
Credit Weight: 3
Transcript Title: A Period in Cinema
Calendar Title: A Period in Cinema.
Description:
In-depth examination of a significant historical period in cinema's development, early silent era to present.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 452
Credit Weight: 3
Transcript Title: Studies in Old English
Calendar Title: Studies in Old English.
Description:
Study of an aspect of Old English Literature which presupposes a grounding in the language.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Prerequisite: ENGL 351 or equivalent, or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 454
Credit Weight: 3
Transcript Title: Topics in Cult St and Gender
Calendar Title: Topics in Cultural Studies and Gender.
Description:
Current studies focusing on the gendered dimensions of cultural life, including the production and reception of mainstream, avant-garde, and alternative cultures.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 456
Credit Weight: 3
Transcript Title: Middle English
Calendar Title: Middle English.
Description:
A study of works in Middle English.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 458
Credit Weight: 3
Transcript Title: Theories of Text & Perf 1
Calendar Title: Theories of Text and Performance 1.
Description: This course provides an historical perspective on advanced theoretical problems affecting both dramatic texts and theatrical performance up to the 19th Century. The historical periods covered in this course may vary from year to year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisites: ENGL 230 and ENGL 269 or permission of instructor

ENGL 459
Credit Weight: 3
Transcript Title: Theories of Text & Perf 2
Calendar Title: Theories of Text and Performance 2.
Description: This course provides an historical perspective on advanced theoretical problems affecting both dramatic texts and theatrical performance starting from the 19th Century to the present. The historical periods covered in this course may vary from year to year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Prerequisites: ENGL 230 and ENGL 269 or permission of instructor

ENGL 460
Credit Weight: 3
Transcript Title: Studies in Literary Theory
Calendar Title: Studies in Literary Theory.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

ENGL 461
Credit Weight: 3
Transcript Title: Studies in Literary Theory 2
Calendar Title: Studies in Literary Theory 2.
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Prerequisite: Previous work in literary criticism or permission of the instructor

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Active

**ENGL 465D1**

Credit Weight: 4.5

Transcript Title: Theatre Laboratory

Calendar Title: Theatre Laboratory.

Description: Workshop in theatre practice and drama interpretation.

Notes:

For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Prerequisites: ENGL 230, ENGL 269 and ENGL 367 or sufficient relevant experience in related drama courses or permission of the instructor.

No credit will be given for this course unless both ENGL 465D1 and ENGL 465D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Active

**ENGL 465D2**

Credit Weight: 4.5

Transcript Title: Theatre Laboratory

Calendar Title: Theatre Laboratory.

Description: Workshop in theatre practice and drama interpretation.

Notes:

For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Prerequisite: ENGL 465D1

No credit will be given for this course unless both ENGL 465D1 and ENGL 465D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts

Teaching Department: English

Status (catalog level): Active

**ENGL 466**

Credit Weight: 6

Transcript Title: Directing for the Theatre

Calendar Title: Directing for the Theatre.

Description: The direction of a theatrical performance: preparation, casting, rehearsal, and performance are the areas of concentration.

Notes:

For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 466D1
Credit Weight: 3
Transcript Title: Directing for the Theatre
Calendar Title: Directing for the Theatre.
Description:
The direction of a theatrical performance: preparation, casting, rehearsal, and performance are the areas of concentration.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Fall and Winter
Prerequisites: ENGL 230, ENGL 269 and permission of instructor.
Students must register for both ENGL 466D1 and ENGL 466D2.
No credit will be given for this course unless both ENGL 466D1 and ENGL 466D2 are successfully completed in consecutive terms
ENGL 466D1 and ENGL 466D2 together are equivalent to ENGL 466

ENGL 466D2
Credit Weight: 3
Transcript Title: Directing for the Theatre
Calendar Title: Directing for the Theatre.
Description:
See ENGL 466D1 for course description.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Prerequisite: ENGL 466D1
No credit will be given for this course unless both ENGL 466D1 and ENGL 466D2 are successfully completed in consecutive terms
ENGL 466D1 and ENGL 466D2 together are equivalent to ENGL 466

ENGL 467
Credit Weight: 3
Transcript Title: Advanced St in Theatre Hist
Calendar Title: Advanced Studies in Theatre History.
Description:
Advanced study focused on a period or issue in Theatre history.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter
Prerequisite: Students not registered in English programs require permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 469
Credit Weight: 3
Transcript Title: Acting 3
Calendar Title: Acting 3.
Description:
Advanced training in acting involving study of some of the major European and
North American acting theories and practices.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings
please see the Department of English website at <a
Winter
Prerequisite: ENGL 269 and permission of instructor.
Restriction: Not open to students who have taken 110-469D.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 472
Credit Weight: 3
Transcript Title: Special Topics: Cult Studies 2
Calendar Title: Special Topics: Cultural Studies 2.
Description:
Advanced study of current issues in cultural studies.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings
please see the Department of English website at <a
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 476
Credit Weight: 3
Transcript Title: Alt Approaches to Media 1
Calendar Title: Alternative Approaches to Media 1.
Description:
Study of alternative uses of contemporary media with particular emphasis on the
forms of independent video and community television and their relationship to
mainstream television and film.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings
please see the Department of English website at <a
Fall
Workshop course. Departmental permission required
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 479
Credit Weight: 3
Transcript Title: Philosophy of Film
Calendar Title: Philosophy of Film.
Description:
Philosophical approaches to and topics in the study of cinema.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 480
Credit Weight: 3
Transcript Title: Studies in History of Film 1
Calendar Title: Studies in History of Film 1.
Description:
Studies in the history of film.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 481
Credit Weight: 3
Transcript Title: A Film-Maker 2
Calendar Title: A Film-Maker 2.
Description:
Studies in the history of film.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Restriction: Permission of instructor required
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 482
Credit Weight: 3
Transcript Title: International Cinema 2
Calendar Title: International Cinema 2.
Description:
Intensive study of a particular tradition or movement in international cinema.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 483
Credit Weight: 3
Transcript Title: Seminar in the Film
Calendar Title: Seminar in the Film.
Description: In-depth study of a topic related to film. Topic varies by year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 484
Credit Weight: 3
Transcript Title: Seminar in the Film
Calendar Title: Seminar in the Film.
Description: In-depth study of specific topics related to the film, which vary from year to year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Restriction: Permission of instructor required

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 486
Credit Weight: 3
Transcript Title: Spec Topics in Theatre History
Calendar Title: Special Topics in Theatre History.
Description: A research seminar on selected topics in theatre history and theatre historiography.
Notes: Prerequisite: Students not registered in English programs require permission of instructor
For the most detailed and up-to-date topics of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.
Topics vary year to year.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 489
Credit Weight: 3
Transcript Title: Culture and Critical Theory 1
Calendar Title: Culture and Critical Theory 1.
Description: Intensive study of advanced theoretical topics in the study of culture.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 490
Credit Weight: 3
Transcript Title: Culture and Critical Theory 2
Calendar Title: Culture and Critical Theory 2.
Description:
Intensive study of advanced theoretical topics in the study of culture.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 491
Credit Weight: 6
Transcript Title: Honours Essay
Calendar Title: Honours Essay.
Description:
Supervised research essay on an approved topic.
Notes:
Fall and Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 491D1
Credit Weight: 3
Transcript Title: Honours Essay
Calendar Title: Honours Essay.
Description:
Supervised research essay on an approved topic.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Fall and Winter
Students must register for both ENGL 491D1 and ENGL 491D2.
No credit will be given for this course unless both ENGL 491D1 and ENGL 491D2 are successfully completed in consecutive terms
ENGL 491D1 and ENGL 491D2 together are equivalent to ENGL 491
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 491D2
Credit Weight: 3
Transcript Title: Honours Essay
Calendar Title: Honours Essay.
Description:
Supervised research essay on an approved topic.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisite: ENGL 491D1
No credit will be given for this course unless both ENGL 491D1 and ENGL 491D2 are successfully completed in consecutive terms
ENGL 491D1 and ENGL 491D2 together are equivalent to ENGL 491
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 491J1
Credit Weight: 2
Transcript Title: Honours Essay
Calendar Title: Honours Essay.
Description:
Supervised research essay on an approved topic.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Students must also register for ENGL 491J2 and ENGL 491J3
No credit will be given for this course unless ENGL 491J1, ENGL 491J2 and ENGL 491J3 are all successfully completed in consecutive terms
ENGL 491J1, ENGL 491J2 and ENGL 491J3 together are equivalent to ENGL 491
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Inactive

ENGL 491J2
Credit Weight: 2
Transcript Title: Honours Essay
Calendar Title: Honours Essay.
Description:
Supervised research essay on an approved topic.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisite: ENGL 491J1
Students must also register for ENGL 491J3
No credit will be given for this course unless ENGL 491J1, ENGL 491J2 and ENGL 491J3 are all successfully completed in consecutive terms
ENGL 491J1, ENGL 491J2 and ENGL 491J3 together are equivalent to ENGL 491
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Inactive

ENGL 491J3
Credit Weight: 2
Transcript Title: Honours Essay
Calendar Title: Honours Essay.

Description:
Supervised research essay on an approved topic.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Prerequisite: ENGL 491J2
No credit will be given for this course unless ENGL 491J1, ENGL 491J2 and ENGL 491J3 are all successfully completed in consecutive terms
ENGL 491J1, ENGL 491J2 and ENGL 491J3 together are equivalent to ENGL 491

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Inactive

ENGL 491N1
Credit Weight: 3

Transcript Title: Honours Essay
Calendar Title: Honours Essay.

Description:
Supervised research essay on an approved topic.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Students must also register for ENGL 491N2
No credit will be given for this course unless both ENGL 491N1 and ENGL 491N2 are successfully completed in a twelve month period
ENGL 491N1 and ENGL 491N2 together are equivalent to ENGL 491

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 491N2
Credit Weight: 3

Transcript Title: Honours Essay
Calendar Title: Honours Essay.

Description:
Supervised research essay on an approved topic.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Prerequisite: ENGL 491N1
No credit will be given for this course unless both ENGL 491N1 and ENGL 491N2 are successfully completed in a twelve month period
ENGL 491N1 and ENGL 491N2 together are equivalent to ENGL 491

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 492
Credit Weight: 3

Transcript Title: Image and Text
Calendar Title: Image and Text.
Description:
Study of the relationship between verbal and visual aspects of a range of cultural artifacts. Topics may include iconography; illuminated manuscripts; book illustrations; cartoons and caricature.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 495
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description:
By arrangement with individual instructor. Permission must be obtained from the Department before registration.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

Fall
Intended for advanced and/or specialized work based on an extensive background in departmental studies. This course is normally not available to students who are not Majors or Honours students in the Department

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 496
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description:
By arrangement with individual instructor. Permission must be obtained from the Department before registration.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

Winter
Intended for advanced and/or specialized work based on an extensive background in departmental studies. This course is normally not available to students who are not Majors or Honours students in the Department

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 498
Credit Weight: 3
Transcript Title: Internship English
Calendar Title: Internship English.
Description:
Internship with an approved host institution or organization.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Restrictions: Open to English Majors in U2 or U3 Open to U2 and U3 English majors after they have completed 30 credits of a 90 credit program or 45 credits of a 96-120 credit program, with a minimum CGPA of 3.0, and permission of the Director of Undergraduate Studies in English. This course will not fulfill English program requirements. Students will normally register in the Fall semester for Summer internships.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 500
Credit Weight: 3
Transcript Title: Middle English
Calendar Title: Middle English.
Description: A study of works in Middle English.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 501
Credit Weight: 3
Transcript Title: 16th Century
Calendar Title: 16th Century.
Description: A seminar on 16th century literature. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 503
Credit Weight: 3
Transcript Title: 18th Century
Calendar Title: 18th Century.
Description: A seminar on 18th century literature. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Winter
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 504
Credit Weight: 3
Transcript Title: 19th Century
Calendar Title: 19th Century.
Description: A seminar on 19th century literature. Topic varies by year.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 505
Credit Weight: 3
Transcript Title: 20th Century
Calendar Title: 20th Century.
Description: A seminar on 20th century literature. Topic varies by year.
Notes: Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 506
Credit Weight: 3
Transcript Title: Studies in 20th Century Lit
Calendar Title: Studies in 20th Century Literature.
Description: This advanced seminar concentrates on an issue, movement, or genre within the twentieth century. This course may be organized around a twentieth-century term, such as modernist, mid-century, postwar, or postmodern literature.
Notes: For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Enrolment maximum: 15

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 512
Credit Weight: 3
Transcript Title: Contemp Studies in Lit&Culture
Calendar Title: Contemporary Studies in Literature and Culture.
Description: An advanced course that concentrates on literature or culture from the very late twentieth-century to the present. This in-depth course can be defined by a movement, form, genre, issue, author, film-maker, or theme.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Enrolment maximum:** 15

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 516**  
**Credit Weight:** 3  
**Transcript Title:** Shakespeare  
**Calendar Title:** Shakespeare.  
**Description:** A seminar on the works of Shakespeare.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Fall**  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 525**  
**Credit Weight:** 3  
**Transcript Title:** American Literature  
**Calendar Title:** American Literature.  
**Description:** A seminar on American literature. Topic varies by year.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 527**  
**Credit Weight:** 3  
**Transcript Title:** Canadian Literature  
**Calendar Title:** Canadian Literature.  
**Description:** A seminar on Canadian literature. Topic varies by year.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.

**Fall**  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 528**  
**Credit Weight:** 3  
**Transcript Title:** Canadian Literature  
**Calendar Title:** Canadian Literature.
Description:
A seminar on Canadian literature. Topic varies by year.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 529
Credit Weight: 3
Transcript Title: Topics in American Studies
Calendar Title: Topics in American Studies.
Description:
A seminar in American studies. Topic varies by year.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 529D1
Credit Weight: 1.5
Transcript Title: Topics in American Studies
Calendar Title: Topics in American Studies.
Description:
A seminar in American studies. Topic varies by year.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Students must register for both ENGL 529D1 and ENGL 529D2.
No credit will be given for this course unless both ENGL 529D1 and ENGL 529D2 are successfully completed in consecutive terms.
ENGL 529D1 and ENGL 529D2 together are equivalent to ENGL 529

Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Inactive

ENGL 529D2
Credit Weight: 1.5
Transcript Title: Topics in American Studies
Calendar Title: Topics in American Studies.
Description:
A seminar in American studies. Topic varies by year.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Prerequisite: ENGL 529D1
No credit will be given for this course unless both ENGL 529D1 and ENGL 529D2 are successfully completed in consecutive terms.
ENGL 529D1 and ENGL 529D2 together are equivalent to ENGL 529

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Inactive

**ENGL 530**  
**Credit Weight:** 3  
**Transcript Title:** Literary Forms  
**Calendar Title:** Literary Forms.  
**Description:**  
A seminar on literary forms. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**Winter**  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 531**  
**Credit Weight:** 3  
**Transcript Title:** Literary Forms  
**Calendar Title:** Literary Forms.  
**Description:**  
A seminar on literary forms. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 533**  
**Credit Weight:** 3  
**Transcript Title:** Literary Movements  
**Calendar Title:** Literary Movements.  
**Description:**  
A seminar on literary forms. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 535**  
**Credit Weight:** 3  
**Transcript Title:** Literary Themes  
**Calendar Title:** Literary Themes.  
**Description:**  
A seminar on literary themes. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

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**ENGL 540**

**Credit Weight:** 3

**Transcript Title:** Literary Theory 1

**Calendar Title:** Literary Theory 1.

**Description:** A study of literary theory. Topic varies by year.

**Notes:**

For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

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**ENGL 545**

**Credit Weight:** 3

**Transcript Title:** Topics in Literature & Society

**Calendar Title:** Topics in Literature and Society.

**Description:** A seminar on literature and society. Topic varies by year.

**Notes:**

For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

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**ENGL 553**

**Credit Weight:** 3

**Transcript Title:** Old English Literature

**Calendar Title:** Old English Literature.

**Description:** A seminar on Old English. Topic varies by year.

**Notes:**

For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Prerequisite (Undergraduate): ENGL 342 or equivalent

**Administering Faculty:** Faculty of Arts

**Teaching Department:** English

**Status (catalog level):** Active

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**ENGL 565**

**Credit Weight:** 3

**Transcript Title:** Drama Workshop

**Calendar Title:** Drama Workshop.

**Description:**

Practical aspects of theatre studies.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 566
Credit Weight: 3
Transcript Title: Special Studies in Drama 1
Calendar Title: Special Studies in Drama 1.
Description:
A seminar on drama. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 568
Credit Weight: 3
Transcript Title: Topics in the Dramatic Form
Calendar Title: Topics in the Dramatic Form.
Description:
A seminar on dramatic form. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Fall
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 585
Credit Weight: 3
Transcript Title: Cultural Studies: Film
Calendar Title: Cultural Studies: Film.
Description:
Advanced study of a specific topic in film.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administrating Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active

ENGL 586
Credit Weight: 3
Transcript Title: Cultural Studies: Other Media
### Cultural Studies: Other Media

**Calendar Title:** Cultural Studies: Other Media.  
**Description:** Advanced study of a specific topic in a medium or media other than film, such as television, advertising, radio, or the internet.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active  

#### ENGL 587

**Credit Weight:** 3  
**Transcript Title:** Theor Approaches to Cult St  
**Calendar Title:** Theoretical Approaches to Cultural Studies.  
**Description:** Advanced study of theoretical issues in and approaches to cultural studies.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** English  
**Status (catalog level):** Active  

#### ENGL 604

**Credit Weight:** 3  
**Transcript Title:** Old English Lang & Literature  
**Calendar Title:** Old English Language and Literature.  
**Description:** A seminar on Old English language and literature. Topic varies by year.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** English  
**Status (catalog level):** Active  

#### ENGL 607

**Credit Weight:** 3  
**Transcript Title:** Middle English Literature  
**Calendar Title:** Middle English Literature.  
**Description:** A seminar on Middle English literature. Topic varies by year.  
**Notes:** For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** English  
**Status (catalog level):** Active
ENGL 608
Credit Weight: 3
Transcript Title: Studies in Chaucer
Calendar Title: Studies in Chaucer.
Description:
A seminar on major works by Chaucer. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at www.mcgill.ca/english.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 615
Credit Weight: 3
Transcript Title: Shakespeare
Calendar Title: Shakespeare.
Description:
A seminar on works by Shakespeare. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 616
Credit Weight: 3
Transcript Title: Elizabethan & Jacobean Drama
Calendar Title: Elizabethan and Jacobean Drama.
Description:
A seminar on Elizabethan and Jacobean drama. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Winter
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 620
Credit Weight: 3
Transcript Title: Studies in Drama and Theatre
Calendar Title: Studies in Drama and Theatre.
Description:
This seminar examines an aspect of drama or theatre, such as theatre history, scenography, dramatic theory, performance theory, performance history, performance studies, acting, dramaturgy, genre. The course may be organized by playwright, genre, theme, or historical period.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Enrolment maximum: 15

**Administering Faculty:** Graduate Studies  
**Teaching Department:** English  
**Status (catalog level):** Active

**ENGL 640**  
**Credit Weight:** 3  
**Transcript Title:** The American Novel  
**Calendar Title:** The American Novel.  
**Description:**  
A seminar on American novels. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**ENGL 661**  
**Credit Weight:** 3  
**Transcript Title:** Seminar of Special Studies  
**Calendar Title:** Seminar of Special Studies.  
**Description:**  
A seminar in special studies. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**ENGL 662**  
**Credit Weight:** 3  
**Transcript Title:** Seminar of Special Studies  
**Calendar Title:** Seminar of Special Studies.  
**Description:**  
A seminar in special studies. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at [www.mcgill.ca/english](http://www.mcgill.ca/english).

**ENGL 670**  
**Credit Weight:** 3  
**Transcript Title:** Topics in Cultural Studies  
**Calendar Title:** Topics in Cultural Studies.  
**Description:**  
This seminar covers specific topics in theories of culture, media studies, cinema studies. The focus may fall on a particular theory or theorist, a filmmaker, or
genre.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Enrolment maximum: 15

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 675
Credit Weight: 3
Transcript Title: Literary Criticism
Calendar Title: Literary Criticism.
Description:
A seminar on literary criticism. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 680
Credit Weight: 3
Transcript Title: Canadian Literature
Calendar Title: Canadian Literature.
Description:
A seminar on Canadian literature. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 681
Credit Weight: 3
Transcript Title: M.A. Research Paper Prep 1
Calendar Title: M.A. Research Paper Preparation 1.
Description:
Preparatory work towards the Master's research paper.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 682
Credit Weight: 3
Transcript Title: M.A. Research Paper Prep 2
Calendar Title: M.A. Research Paper Preparation 2.
Description:
Preparatory work towards the Master's research paper.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies

Status (catalog level): Active

ENGL 683
Credit Weight: 3
Transcript Title: M.A. Research Paper Prep 3
Calendar Title: M.A. Research Paper Preparation 3.
Description:
Preparatory work towards the Master's research paper.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies
Teaching Department: English

ENGL 684
Credit Weight: 9
Transcript Title: M.A. Research Paper
Calendar Title: M.A. Research Paper.
Description:
The writing of the research paper.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies
Teaching Department: English

ENGL 684D1
Credit Weight: 4.5
Transcript Title: M.A. Research Paper
Calendar Title: M.A. Research Paper.
Description:
The writing of the research paper.

Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Students must register for both ENGL 684D1 and ENGL 684D2
No credit will be given for this course unless both ENGL 684D1 and ENGL 684D2 are successfully completed in consecutive terms
ENGL 684D1 and ENGL 684D2 together are equivalent to ENGL 684

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active
ENGL 684D2
Credit Weight: 4.5
Transcript Title: M.A. Research Paper
Calendar Title: M.A. Research Paper.
Description:
See ENGL 684D1 for course description.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Prerequisite: ENGL 684D1
No credit will be given for this course unless both ENGL 684D1 and ENGL 684D2 are successfully completed in consecutive terms.
ENGL 684D1 and ENGL 684D2 together are equivalent to ENGL 684
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 687
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
Supervised independent reading course. Syllabus and approval required.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Fall/Winter
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 690
Credit Weight: 3
Transcript Title: Seminar of Special Studies
Calendar Title: Seminar of Special Studies.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 693
Credit Weight: 3
Transcript Title: Research Methods
Calendar Title: Research Methods.
Description:
Bibliography for the research paper proposal.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 694
Credit Weight: 6
Transcript Title: Graduate Research Seminar
Calendar Title: Graduate Research Seminar.
Description:
An introduction to research methods.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. Fall

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 695
Credit Weight: 3
Transcript Title: M.A. Thesis Preparation
Calendar Title: M.A. Thesis Preparation.
Description:
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 698
Credit Weight: 21
Transcript Title: M.A. Thesis 2
Calendar Title: M.A. Thesis 2.
Description:
Written MA thesis.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 699
Credit Weight: 24
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Written MA thesis.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 699D1
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Written MA thesis.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Students must register for both ENGL 699D1 and ENGL 699D2. No credit will be given for this course unless both ENGL 699D1 and ENGL 699D2 are successfully completed in consecutive terms. ENGL 699D1 and ENGL 699D2 together are equivalent to ENGL 699.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 699D2
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
See ENGL 699D1 for course description.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Prerequisite: ENGL 699D1. No credit will be given for this course unless both ENGL 699D1 and ENGL 699D2 are successfully completed in consecutive terms. ENGL 699D1 and ENGL 699D2 together are equivalent to ENGL 699.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 699J1
Credit Weight: 8
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Written MA thesis.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>. Students must also register for ENGL 699J2 and ENGL 699J3. No credit will be given for this course unless ENGL 699J1, ENGL 699J2 and ENGL 699J3 are all successfully completed in consecutive terms. ENGL 699J1, ENGL 699J2 and ENGL 699J3 together are equivalent to ENGL 699.

Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active
ENGL 699J2
Credit Weight: 8
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
See ENGL 699J1 for course description.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisite: ENGL 699J1
Students must also register for ENGL 699J3
No credit will be given for this course unless ENGL 699J1, ENGL 699J2 and ENGL 699J3 are all successfully completed in consecutive terms
ENGL 699J1, ENGL 699J2 and ENGL 699J3 together are equivalent to ENGL 699
Administrating Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 699J3
Credit Weight: 8
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
See ENGL 699J1 for course description.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Prerequisite: ENGL 699J2
No credit will be given for this course unless ENGL 699J1, ENGL 699J2 and ENGL 699J3 are all successfully completed in consecutive terms
ENGL 699J1, ENGL 699J2 and ENGL 699J3 together are equivalent to ENGL 699
Administrating Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 699N1
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Written MA thesis.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
Students must also register for ENGL 699N2
No credit will be given for this course unless both ENGL 699N1 and ENGL 699N2 are successfully completed in a twelve month period
ENGL 699N1 and ENGL 699N2 together are equivalent to ENGL 699
Administrating Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active
ENGL 699N2
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
See ENGL 699N1 for course description.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Prerequisite: ENGL 699N1
No credit will be given for this course unless both ENGL 699N1 and ENGL 699N2 are successfully completed in a twelve month period.
ENGL 699N1 and ENGL 699N2 together are equivalent to ENGL 699.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 708
Credit Weight: 3
Transcript Title: Studies in a Literary Form
Calendar Title: Studies in a Literary Form.
Description:
A seminar on a literary genre, mode, or form. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 710
Credit Weight: 3
Transcript Title: Renaissance Studies
Calendar Title: Renaissance Studies.
Description:
A seminar in REnaissance studies. Topica varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 714
Credit Weight: 3
Transcript Title: Renaissance Poetry
Calendar Title: Renaissance Poetry.
Description:
A seminar on Renaissance poetry. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 716
Credit Weight: 3
Transcript Title: Special Studies in Shakespeare
Calendar Title: Special Studies in Shakespeare.
Description:
A seminar on works by Shakespeare. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

ENGL 722
Credit Weight: 3
Transcript Title: Milton
Calendar Title: Milton.
Description:
A seminar on works by Milton. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

ENGL 726
Credit Weight: 3
Transcript Title: Narrative Prose of 18th C
Calendar Title: Narrative Prose of 18th Century.
Description:
A seminar on 18th-century prose. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

ENGL 730
Credit Weight: 3
Transcript Title: Romantic Theory and Poetry
Calendar Title: Romantic Theory and Poetry.
Description:
A seminar on Romantic theory and poetry. Topic varies by year.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 731</td>
<td>3</td>
<td>19th Century Studies</td>
<td>19th Century Studies</td>
<td>A seminar on a 19th-century topic. Topic varies by year.</td>
<td>For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english">www.mcgill.ca/english</a>.</td>
</tr>
<tr>
<td>ENGL 733</td>
<td>3</td>
<td>Victorian Novel</td>
<td>Victorian Novel</td>
<td>A seminar on Victorian novels. Topic varies by year.</td>
<td>For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english">www.mcgill.ca/english</a>.</td>
</tr>
<tr>
<td>ENGL 734</td>
<td>3</td>
<td>Studies in Fiction</td>
<td>Studies in Fiction</td>
<td>A seminar on fictional works. Topic varies by year.</td>
<td>For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english">www.mcgill.ca/english</a>.</td>
</tr>
<tr>
<td>ENGL 757</td>
<td>3</td>
<td>Modern Drama</td>
<td>Modern Drama</td>
<td>A seminar on modern drama. Topic varies by year.</td>
<td></td>
</tr>
</tbody>
</table>
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

Winter

**Administering Faculty:** Graduate Studies  
**Teaching Department:** English  
**Status (catalog level):** Active

### ENGL 761

**Credit Weight:** 3  
**Transcript Title:** 20th Century Novel  
**Calendar Title:** 20th Century Novel.  
**Description:** A seminar on 20th-century novels. Topic varies by year.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.

### ENGL 770

**Credit Weight:** 3  
**Transcript Title:** Studies in American Literature  
**Calendar Title:** Studies in American Literature.  
**Description:** A seminar on American literature. Topic varies by year.  
**Notes:**  
Winter  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** English  
**Status (catalog level):** Active

### ENGL 776

**Credit Weight:** 3  
**Transcript Title:** Film Studies  
**Calendar Title:** Film Studies.  
**Description:** A seminar on film studies.  
**Notes:**  
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>.  
Winter  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** English  
**Status (catalog level):** Active

### ENGL 778

**Credit Weight:** 3  
**Transcript Title:** Studies in Visual Culture  
**Calendar Title:** Studies in Visual Culture.  
**Description:**  
This seminar concentrates on theories of visual culture, including but not limited
to photography, film, television, nonphotographic imagery, digital and interactive media, and the relation of image to text. 

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. 

**Enrolment maximum:** 15

**Administering Faculty:** Graduate Studies 

**Teaching Department:** English 

**Status (catalog level):** Active 

**ENGL 785**

**Credit Weight:** 3 

**Transcript Title:** Studies in Theory 

**Calendar Title:** Studies in Theory. 

**Description:** A seminar on theory. Topic varies by year. 

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. 

**Administering Faculty:** Graduate Studies 

**Teaching Department:** English 

**Status (catalog level):** Active 

**ENGL 786**

**Credit Weight:** 3 

**Transcript Title:** Research Seminar 

**Calendar Title:** Research Seminar. 

**Description:** Supervised independent reading course. Syllabus and approval required. 

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. 

**Fall/Winter** 

**Administering Faculty:** Graduate Studies 

**Teaching Department:** English 

**Status (catalog level):** Active 

**ENGL 787**

**Credit Weight:** 3 

**Transcript Title:** Research Seminar 1 

**Calendar Title:** Research Seminar 1. 

**Description:** Proseminar. Topics in theory. 

**Notes:**
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href=http://www.mcgill.ca/english target=_blank>www.mcgill.ca/english</a>. 

**Fall** 

**Administering Faculty:** Graduate Studies 

**Teaching Department:** English 

**Status (catalog level):** Active 

**ENGL 788**

**Credit Weight:** 3 


Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.
Description:
Proseminar. Topics in academic profession.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Winter
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 796
Credit Weight: 6
Transcript Title: Research Project
Calendar Title: Research Project.
Description:
Independent research project supervised by a full-time faculty member leading to a comprehensive written report and oral examination.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Restriction: Ph.D. Candidates.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 797
Credit Weight: 6
Transcript Title: Compulsory Research Project
Calendar Title: Compulsory Research Project.
Description:
Compulsory independent research project supervised by a full-time faculty member leading to a comprehensive written report and oral examination.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Restriction: Ph.D. Candidates.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active

ENGL 798
Credit Weight: 3
Transcript Title: Dissertation Proposal
Calendar Title: Dissertation Proposal.
Description:
Development of a research proposal and a comprehensive framework for the thesis.
Notes:
For the most detailed and up-to-date descriptions of course and seminar offerings please see the Department of English website at <a href="http://www.mcgill.ca/english" target="_blank">www.mcgill.ca/english</a>.
Restriction: Ph.D. Candidates.
Administering Faculty: Graduate Studies
Teaching Department: English
Status (catalog level): Active
ENTO 330
Credit Weight: 3
Transcript Title: Insect Biology
Calendar Title: Insect Biology.
Description:
Introduction to entomology, including the importance and diversity of insects; insect morphology, anatomy and physiology; insect sensory systems; reproduction; metamorphosis; insect classification and survey of the orders and common families.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 340
Credit Weight: 3
Transcript Title: Field Entomology
Calendar Title: Field Entomology.
Description:
A field course and project about arthropod taxonomy, field methods and experimental design in entomology. Includes natural history observation, and experimental approaches to arthropod population and community ecology.

Notes:
Summer

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 350
Credit Weight: 3
Transcript Title: Insect Biology and Control
Calendar Title: Insect Biology and Control.
Description:
Introduction to insect structure, physiology, biochemistry, development, systematics, evolution, ecology and control. Stress on interrelationships and integrated pest control.

Notes:
Winter
3 hours lecture
Prerequisite: BIOL 205 or permission of instructor
Restriction: Not open to students who have taken or are taking ENTO 330 or BIOL 350
Note: Offered on the downtown campus. This course is also offered as BIOL 350 in the Fall term.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 352
Credit Weight: 3
Transcript Title: Biocontrol of Pest Insects
Calendar Title: Biocontrol of Pest Insects.
Description:
Modern concepts of integrated control techniques and principles of insect pest management, with emphasis on biological control (use of predators, parasites and pathogens against pest insects), population monitoring, and manipulation of environmental, behavioral and physiological factors in the pest's way of life. Physical, cultural, and genetic controls and an introduction to the use of non-toxic biochemical controls (attractants, repellents, pheromones,
antimetabolites).

Notes:
Winter
Restriction: Not open to students who have previously taken ENTO 452
3 lectures

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 515
Credit Weight: 3
Transcript Title: Parasitoid Behavioural Ecology
Calendar Title: Parasitoid Behavioural Ecology.
Description:
The origin and diversity of parasitoid species will be presented. Aspects of
behavioural ecology that pertain to host selection, optimal allocation of progeny
and sex and host-parasitoid interactions are examined. The importance of these
processes is discussed in a biological control perspective.
Symbols: ALTY - Taught in alternate years

Notes:
Winter
Prerequisite: ENTO 330 (formerly NRSC 330) or equivalent
Restriction: Not open to students who have taken NRSC 515

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 520
Credit Weight: 3
Transcript Title: Insect Physiology
Calendar Title: Insect Physiology.
Description:
Organismal approach to insects, emphasizing the physiology and development, and
the physiological relations of insects to their environment.

Notes:
Winter
Prerequisite: Permission of instructor
Restriction: Not open to students who have taken NRSC 520

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 610
Credit Weight: 3
Transcript Title: Insect Phylogeny & Diversity
Calendar Title: Insect Phylogeny and Diversity.
Description:
Discussion of current topics in phylogenetic systematics, evolution, and
biodiversity, with special reference to insects and related arthropods.

Notes:
Winter

Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENTO 615
Credit Weight: 3
Transcript Title: Forest Entomology
Calendar Title: Forest Entomology.
Description:
Current topics in forest entomology.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisite: Permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
ENVB 210
Credit Weight: 3
Transcript Title: The Biophysical Environment
Calendar Title: The Biophysical Environment.
Description:
With reference to the ecosystems in the St Lawrence lowlands, the principles and processes governing climate-landform-water-soil-vegetation systems and their interactions will be examined in lecture and laboratory. Emphasis on the natural environment as an integrated system.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 222
Credit Weight: 3
Transcript Title: St. Lawrence Ecosystems
Calendar Title: St. Lawrence Ecosystems.
Description:
Integrative field biology course about the biodiversity and ecology of terrestrial and aquatic ecosystems within the St. Lawrence Lowlands. Research projects about the natural history of the regional flora and fauna. Fundamentals of community, ecosystem and landscape ecology.
Notes:
Fall
This course carries an additional charge of $19.94 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 301
Credit Weight: 3
Transcript Title: Meteorology
Calendar Title: Meteorology.
Description:
The physical processes underlying weather. Topics include: the atmosphere - its properties (structure and motion), and thermodynamics (stability, heat and moisture); clouds and precipitation; air masses and fronts; mid-latitude weather systems and severe weather.
Notes:
Restrictions: none
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 305
Credit Weight: 3
Transcript Title: Population & Community Ecology
Calendar Title: Population and Community Ecology.
Description:
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 313
Credit Weight: 3
Transcript Title: Phylogeny and Biogeography
Calendar Title: Phylogeny and Biogeography.
Description:
Topics in the interface of evolution, phylogenetics, and biogeography, including
tree thinking, phylogeny estimation, and the processes that generate and maintain
biodiversity. The major scientific discoveries that demonstrated how Earth’s
history affects the evolution of organisms, including the unheard voices of
evolutionary biology.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite: AEBI 212
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 401
Credit Weight: 6
Transcript Title: Honours Research Project 1
Calendar Title: Honours Research Project 1.
Description:
Preparation of a literature review, progress report, and delivery of a proposal
seminar, as well as initiating the research project.
Notes:
Prerequisites: Permission of the instructor
Restrictions: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in
Environmental Biology program.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

ENVB 402
Credit Weight: 6
Transcript Title: Honours Research Project 2
Calendar Title: Honours Research Project 2.
Description:
Completion of the honours research project, including a progress report, a final
project report, and a project presentation.
Notes:
Prerequisites: ENVB 401 and permission of the instructor
Restrictions: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in
Environmental Biology program.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

ENVB 405
Credit Weight: 3
Transcript Title: Honours Project 1
Calendar Title: Honours Project 1.
Description:
Preparation of a literature review, progress report and delivery of a proposal
seminar, as well as initiating the research project.

Notes:
Prerequisites: Permission of the instructor
Restrictions: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Environmental Biology program.

**Administering Faculty**: Faculty of Agric Environ Sci
**Teaching Department**: Agricultural & Env.Sc.-Dean
**Status (catalog level)**: Active

**ENVB 406**
**Credit Weight**: 3
**Transcript Title**: Honours Project 2
**Description**: Completion of the honours project, including a progress report, a final project report, and a project presentation.

Notes:
Prerequisites: ENVB 405 and permission of the instructor
Restrictions: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Environmental Biology program.

**Administering Faculty**: Faculty of Agric Environ Sci
**Teaching Department**: Agricultural & Env.Sc.-Dean
**Status (catalog level)**: Active

**ENVB 410**
**Credit Weight**: 3
**Transcript Title**: Ecosystem Ecology
**Calendar Title**: Ecosystem Ecology.
**Description**: Biotic and abiotic processes that control the flows of energy, nutrients and water through ecosystems; emergent system properties; approaches to analyzing complex systems. Labs include collection and multivariate analysis of field data.

Notes:
This course carries an additional charge of 19.94 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.

**Prerequisites**: ENVB 222, AEMA 310 or permission of instructor

**Administering Faculty**: Faculty of Agric Environ Sci
**Teaching Department**: Natural Resource Sciences
**Status (catalog level)**: Active

**ENVB 415**
**Credit Weight**: 3
**Transcript Title**: Ecosystem Management
**Calendar Title**: Ecosystem Management.
**Description**: Through the examination of cases studies presented in a modular format, students will be exposed to a variety of ecosystem processes. Choice of components, interactions and type of management to achieve desired endpoints will be discussed.

Notes:
Fall
**Prerequisites**: BREE 327 or ENVB 305 or permission of instructor

**Administering Faculty**: Faculty of Agric Environ Sci
**Teaching Department**: Natural Resource Sciences
**Status (catalog level)**: Active
ENVB 437
Credit Weight: 3
Transcript Title: Assessing Environmental Impact
Calendar Title: Assessing Environmental Impact.
Description: Principles and practice of Environmental Assessment (EA) in Canada and internationally. Exploration of issues surrounding impact assessment for sustainable development in different sectors, including their limitations.
Notes: Open to U2 students and above.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 497
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description: Independent research project in consultation with a faculty supervisor. Selection of a research problem, formulation of hypotheses and objectives, research design, comprehensive literature review, commence data collection.
Notes: Fall and Winter
Prerequisite(s): AEHM 205 and permission of instructor
Restriction: Open to U2 and above, and to students with a minimum CGPA of 3.0.
Note 1: Fall and Winter. Enrolment is limited by availability of research project supervisors and to students in the Environmental Biology Major. Students should make arrangements with a willing supervisor, and the proposed supervisor and project are subject to approval. Students must obtain a minimum grade of B in ENVB 497 to be allowed to take ENVB 498.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 498
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description: Continuation of the independent research project begun in ENVB 497. Data collection and analysis, testing of hypotheses, discussion of results.
Notes: Fall and Winter
Prerequisite(s): ENVB 497 and permission of instructor
Restriction(s): Open only to students who have earned a minimum of B in the prerequisite course(s). Enrolment is limited by availability of research project supervisors and to students in the Environmental Biology Major. Students should make arrangements with a willing supervisor, and the proposed supervisor and project are subject to approval.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 500
Credit Weight: 3
Transcript Title: Advanced Topics Ecotoxicology
Calendar Title: Advanced Topics in Ecotoxicology.
Description:
Exploring the impact of environmental chemicals on biological organisms in an ecological context. Basic topics in ecotoxicology, such as source and fate, routes of exposure, bioavailability, dose-response, biomarkers, and risk assessment will be covered from both theoretical and applied perspectives. The processes by which pollutants are tested, regulated, and monitored will be critically examined.
Notes:
Prerequisite(s): LSCI 211 and AEBI 211 and one of NRSC 333 or ANSC 323, or permission of the instructor
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 506
Credit Weight: 3
Transcript Title: Quantitative Methods: Ecology
Calendar Title: Quantitative Methods: Ecology.
Description:
The process of formulating models of natural systems and confronting them with data, along with the necessary statistical computing skills. Emphasis on hands-on experience with current approaches for building, fitting, and comparing models.
Notes:
Winter
Prerequisites: AEMA 310 and ENVB 305; or graduate student status; or permission of instructor
Restriction: Not open to students who have taken AEMA 306 or AEMA 406.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 529
Credit Weight: 3
Transcript Title: GIS for Natural Resource Mgmt
Calendar Title: GIS for Natural Resource Management.
Description:
Applications of Geographic Information Systems (GIS) and spatial analysis techniques to the presentation and analysis of ecological information, including sources and capture of spatial data; characterizing, transforming, displaying spatial data; and spatial analysis to solve resource management problems.
Notes:
Prerequisite(s): At least one environmental science course and one ecology course or permission of instructor
Restriction(s): U2 students and above. Not open to students who have taken GEOG 201, GEOG 306 or GEOG 307, ENVB/BREE 430, or BREE 529. Limited to 32 students.
Fall
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

ENVB 530
Credit Weight: 3
Transcript Title: Adv GIS for Natural Res Mgmt
Calendar Title: Advanced GIS for Natural Resource Management.
Description:
An advanced spatial analysis course that uses rapidly developing techniques in GIS and remote sensing to solve problems in natural resource management. Focuses on controlling spatial operations through programming.

Notes:
Prerequisite(s): (ENVB 430 or ENVB 529 or BREE 529) or (GEOG 201 and one of GEOG 306 or GEOG 307) or permission of instructor

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
ENVR 200
Credit Weight: 3
Transcript Title: The Global Environment
Calendar Title: The Global Environment.
Description:
A systems approach to study the different components of the environment involved in global climate change: the atmosphere, biosphere, hydrosphere, and lithosphere. The interactions among these components. Their role in global climate change. The human dimension to global change.
Notes:
Fall
Section 001: Downtown Campus
Section 051: Macdonald Campus
Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 201
Credit Weight: 3
Transcript Title: Society, Environment & Sustainability
Calendar Title: Society, Environment and Sustainability.
Description:
This course deals with how scientific-technological, socio-economic, political-institutional and behavioural factors mediate society-environment interactions. Issues discussed include population and resources; consumption, impacts and institutions; integrating environmental values in societal decision-making; and the challenges associated with, and strategies for, promoting sustainability. Case studies in various sectors and contexts are used.
Notes:
Fall
Section 001: Downtown Campus
Section 051: Macdonald Campus
Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 202
Credit Weight: 3
Transcript Title: The Evolving Earth
Calendar Title: The Evolving Earth.
Description:
Formation of the Earth and the evolution of life. How geological and biological change are the consequence of history, chance, and necessity acting over different scales of space and time. General principles governing the formation of modern landscapes and biotas. Effects of human activities on natural systems.
Notes:
Winter
Section 001: Downtown Campus
Section 051: Macdonald Campus
Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 203
Credit Weight: 3
Transcript Title: Knowledge, Ethics & Environment
Calendar Title: Knowledge, Ethics and Environment.
Description:
Introduction to cultural perspectives on the environment: the influence of culture and cognition on perceptions of the natural world; conflicts in orders of knowledge (models, taxonomies, paradigms, theories, cosmologies), ethics (moral values, frameworks, dilemmas), and law (formal and customary, rights and obligations) regarding political dimensions of critical environments, resource use, and technologies.

Notes:
Fall - Macdonald Campus; Winter - Downtown
Section 001: Downtown Campus
Section 051: Macdonald Campus

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 301
Credit Weight: 3
Transcript Title: Environmental Research Design
Calendar Title: Environmental Research Design.
Description:
Techniques used in design and completion of environmental research projects. Problem definition, data sources and use of appropriate strategies and methodologies. Principles underlying research design are emphasized, including critical thinking, recognizing causal relationships, ideologies and bias in research, and when and where to seek expertise.

Notes:
Fall - Downtown campus; Winter - Macdonald campus
Section 001: Downtown Campus
Section 051: Macdonald Campus
Restrictions: Restricted to U2 or higher
Prerequisite(s): Completion of U1 Required courses in Environment, or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 380
Credit Weight: 3
Transcript Title: Topics in Environment 1
Calendar Title: Topics in Environment 1.
Description:
Lectures and discussion of interdisciplinary aspects of current problems in environment led by staff and/or special guests. This course is offered on an irregular basis.

Notes:
Restriction: Only open to students who have completed Environment U1 core courses.

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.

Notes:
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 400
Credit Weight: 3
Transcript Title: Environmental Thought
Calendar Title: Environmental Thought.
Description: Students work in interdisciplinary seminar groups on challenging philosophical, ethical, scientific and practical issues. They will explore cutting-edge ideas and grapple with the reconciliation of environmental imperatives and social, political and economic pragmatics. Activities include meeting practitioners, attending guest lectures, following directed readings, and organizing, leading and participating in seminars.

Notes:
Fall - Macdonald Campus; Winter - Downtown
Section 001: Downtown Campus
Section 051: Macdonald Campus
Prerequisite: ENVR 203
Restriction: Open only to U3 students, or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 401
Credit Weight: 3
Transcript Title: Environmental Research
Calendar Title: Environmental Research.
Description: Students work in an interdisciplinary team on a real-world research project involving problem definition, methodology development, social, ethical and environmental impact assessment, execution of the study, and dissemination of results to the research community and to the people affected. Teams begin defining their projects during the preceding summer.

Notes:
Fall
Prerequisite(s): ENVR 301 and MATH 203 or equivalent, or by permission of the instructor
Restriction: Only open to U3 students in their final year in the following programs: B.A. Faculty Program in Environment, B.A.& Sc. Interfaculty Program in Environment, B.Sc.(Ag.Env.Sc.) and B.Sc. Major in Environment, and Diploma in
Environment.

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

**ENVR 421**
Credit Weight: 3
Transcript Title: Mtl:Envr Hist & Sustainability
Calendar Title: Montreal: Environmental History and Sustainability.
Description:
This course will focus on the role of place and history in the cities in which we live and in our understanding of sustainability. Each year, students will work to develop a historical reconstruction of the natural environment of Montreal and of its links to the cultural landscape, building on the work of previous cohorts of students.
Notes:
Each year focuses on making a specific and unique contribution to The Hochelaga Project; topics vary as required.
Prerequisite(s): ENVR 301 or equivalent, or permission from the instructor.
Corequisite(s): ENVR 422

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

**ENVR 422**
Credit Weight: 3
Transcript Title: Mtl Urban Sustainability Anal
Calendar Title: Montreal Urban Sustainability Analysis.
Description:
Applied and experience-based learning opportunities are employed to critically assess Montreal as a sustainable city through research, discussion, and field trips. The urban environment is considered through various specific dimensions, ranging from: waste, energy, urban agriculture, green spaces and design, or transportation.
Notes:
Prerequisite(s): ENVR 301 or equivalent, or permission from the instructor.
Corequisite(s): ENVR 421

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

**ENVR 430**
Credit Weight: 3
Transcript Title: The Economics of Well-Being
Calendar Title: The Economics of Well-Being.
Description:
Definition, measurement, and determinants of subjective well-being and their implications for policy, growth, and the environment.
Notes:
Prerequisites: ECON 230D1/D2 or ECON 250 D1/D2; ECON 227D1/D2 or ECON 257D1/D2 or equivalent; MATH 122 or MATH 139 or MATH 140 or MATH 150 or permission of instructor.
Restrictions: ENVR 430 is not open to students who have taken or are taking ECON 430.

Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active
ENVR 451
Credit Weight: 6
Transcript Title: Research in Panama
Calendar Title: Research in Panama.
Description: Research projects will be developed by instructors in consultation with Panamanian universities, government agencies and non-governmental organizations. Project groups will consist of four to six students working with a Panamanian institution. Topics will be relevant to Panama: e.g., protection of the Canal watershed, economical alternatives to deforestation, etc.
Notes: Winter
Restriction: students in the Panama Field Semester program. Offered in Panama only
Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 480
Credit Weight: 3
Transcript Title: Topics in Environment 2
Calendar Title: Topics in Environment 2.
Description: Intermediate-level seminars and discussion of interdisciplinary aspects of current problems in environment led by staff and/or special guests. This course is offered on an irregular basis.
Notes: Restriction: Only open to U3 Environment students or with permission of the instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 485
Credit Weight: 3
Transcript Title: Readings in Environment 1
Calendar Title: Readings in Environment 1.
Description: Interdisciplinary literature project/essays related to environment, enabling independent study under guidance of Environment faculty in areas outside the scope of individual departments.
Notes: Restriction: Only open to U3 Environment students or with the permission of the instructor.
Proposed topic and method of evaluation must be approved by the Program Adviser one month before the beginning of term. Contact the Program Adviser for information.
Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 490
Credit Weight: 3
Transcript Title: Independ. Study in Environment
Calendar Title: Independent Study in Environment.
Description:
Interdisciplinary research projects related to environment, enabling independent study under guidance of Environment faculty in areas outside the scope of individual departments.

Notes:
Prerequisite: Permission of instructor.
Restrictions: Only open to U3 Environment students.
Proposed topic and method of evaluation must be approved by the Program Adviser one month before the beginning of term. Contact the Program Adviser for information.

Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 491
Credit Weight: 1
Transcript Title: Independ. Proj. in Environment
Calendar Title: Independent Project in Environment.

Description:
Interdisciplinary research projects related to environment, enabling independent study under guidance of Environment faculty in areas outside the scope of individual departments.

Notes:
Prerequisite: Permission of instructor.
Restrictions: Only open to U3 Environment students.
Proposed topic and method of evaluation must be approved by the Program Adviser one month before the beginning of term. Contact the Program Adviser for information.

Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 494
Credit Weight: 3
Transcript Title: Joint Honours Research
Calendar Title: Joint Honours Research.

Description:
Honours research and report conducted under the supervision of a member of staff.

Notes:
Prerequisite: ENVR 301
Restrictions: Open only to U3 students in a B.A. Joint Honours program.

Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 495D1
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.

Description:
Preparation of an honours thesis.

Notes:
Prerequisites: ENVR 301. Acceptance to Honours Program in Environment.
Students must register for both ENVR 495D1 and ENVR 495D2. No credit will be given for this course unless both ENVR 495D1 and ENVR 495D2 are successfully completed in consecutive terms.

*This is an honours project course, and the standard add/drop and withdrawal deadlines do not apply. Therefore, it has unique add/drop and withdrawal deadlines.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Bieler School of Environment

**Status (catalog level):** Active

**ENVR 495D2**

**Credit Weight:** 3

**Transcript Title:** Honours Research

**Calendar Title:** Honours Research.

**Description:**
See ENVR 495D1 for description.

**Notes:**
Prerequisite: ENVR 495D1.

Students must register for both ENVR 495D1 and ENVR 495D2. No credit will be given for this course unless both ENVR 495D1 and ENVR 495D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Bieler School of Environment

**Status (catalog level):** Active

**ENVR 495N1**

**Credit Weight:** 3

**Transcript Title:** Honours Research

**Calendar Title:** Honours Research.

**Description:**
Preparation of an honours thesis.

**Notes:**
Prerequisites: ENVR 301. Acceptance to Honours Program in Environment.

Students must register for both ENVR 495N1 and ENVR 495N2. No credit will be given for this course unless both ENVR 495N1 and ENVR 495N2 are successfully completed in a twelve month period.

*This is an honours project course, and the standard add/drop and withdrawal deadlines do not apply. Therefore, it has unique add/drop and withdrawal deadlines.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Bieler School of Environment

**Status (catalog level):** Active

**ENVR 495N2**

**Credit Weight:** 3

**Transcript Title:** Honours Research

**Calendar Title:** Honours Research.

**Description:**
See ENVR 495N1 for description.

**Notes:**
Prerequisite: ENVR 495N1.

Students must register for both ENVR 495N1 and ENVR 495N2. No credit will be given for this course unless both ENVR 495N1 and ENVR 495N2 are successfully completed in a twelve month period.
Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 519
Credit Weight: 3
Transcript Title: Global Environmental Politics
Calendar Title: Global Environmental Politics.
Description:
How the problem of environmental degradation is dealt with at the international level. The scope and nature of global environmental protection issues that cross boundaries, both physical and conceptual. Actors, structures and processes of international society. Consideration of global commons and transnational resources and of environmental externalities.
Notes:
Prerequisite: ENVR 201 or ENVR 203 or permission of instructor
Restrictions: Open to students in the Environment Graduate Option (available to other students with permission of instructor). (Not open to students who have taken ENVR 580 -- section 001 -- in Winter 2002, Fall 2003, or Fall 2004
Note: This course has been offered three times as a Topics in Environment Course

ENVR 540
Credit Weight: 3
Transcript Title: Ecology of Species Invasions
Calendar Title: Ecology of Species Invasions.
Description:
Causes and consequences of biological invasion, as well as risk assessment methods and management strategies for dealing with invasive species.
Notes:
3 hours lecture
Prerequisite: BIOL 215 (or ENVR 200 plus ENVR 202), and at least one 300- or 400-level course in ecology, evolution, or conservation biology.
Restrictions: Not open to U1 or U2 students. Not open to students who are taking or have taken BIOL 540.

ENVR 544
Credit Weight: 3
Transcript Title: Env. Measurement & Modelling
Calendar Title: Environmental Measurement and Modelling.
Description:
Utility of geographic information systems, remote sensing and spatially-explicit modelling for environmental planning in conjunction with analytical frameworks used in the decision-making process (e.g., cost-benefit analysis, life-cycle analysis and multi-criteria decision making).
Notes:
Prerequisites: NRSC 430 or GEOG201 or URBP 505 or permission of instructor
Restriction: Students registered in Environment Graduate Option (or permission of instructor)

Administrating Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 585
Credit Weight: 3
Transcript Title: Readings in Environment 2
Calendar Title: Readings in Environment 2.
Description: Interdisciplinary literature project/essays related to environment, enabling advanced-level study under guidance of Environment faculty in areas outside the scope of individual departments.
Notes: Prerequisites: ENVR 400 and ENVR 401, or permission of instructor
Proposed topic and method of evaluation must be approved by the Program Adviser one month before the beginning of term. Contact the Program Adviser for information.
Administering Faculty: Faculty of Science
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 610
Credit Weight: 3
Transcript Title: Foundations of Environ Policy
Calendar Title: Foundations of Environmental Policy.
Description: Analysis of current environmental policies to reveal implicit and explicit assumptions regarding scientific methods, hypothesis testing, subject/object, causality, certainty, deities, health, development, North-South concerns for resources, commons, national sovereignty, equity. Discussion of implications of such assumptions for building future environmental policies.
Notes: Restriction: Enrolment in the Graduate Environment Option or enrolment in the Neotropical Environment Option (NEO) or permission of the instructor.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 614
Credit Weight: 3
Transcript Title: Mobilizing Res. for Sustain.
Calendar Title: Mobilizing Research for Sustainability.
Description: Through workshops and practice, students will develop communication strategies and acquire collaboration and leadership skills to foster innovation and help translate knowledge into action to address complex environmental and sustainability issues. Students will learn methods, build skills, and develop mindsets that can enable their research to have an impact on the most pressing issues in sustainability.
Notes: Restriction(s): Open to graduate students enrolled in the Environment Option or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Bieler School of Environment
Status (catalog level): Active
ENVR 615
Credit Weight: 3
Transcript Title: Interdisc Appr Environ&Sustain
Calendar Title: Interdisciplinary Approach Environment and Sustainability.
Description: Through a series of modules on current environmental and sustainability issues, this course emphasizes the value and challenges of an interdisciplinary approach by examining how different fields can work together to address these issues.
Notes: Restriction(s): Open to graduate students enrolled in the Environment Option or permission of instructors
Administering Faculty: Graduate Studies
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 620
Credit Weight: 3
Transcript Title: Environ and Health of Species
Calendar Title: Environment and Health of Species.
Description: How major environmental problems affect the health of human and non-human species, and how environment and health interact at different spatial and temporal scales and with different components of the ecosystem. Immediate, chronic and evolutionary consequences on health. Uncertainty and causation.
Notes: Restriction: Open to students in the Environment Option (available to other students with permission of instructor).
Administering Faculty: Graduate Studies
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 622
Credit Weight: 3
Transcript Title: Sustainable Landscapes
Calendar Title: Sustainable Landscapes.
Description: Tools and knowledge needed to evaluate landscapes for sustainable management. Processes that shape landscapes, consequences of alternate landscape patterns on ecological flows, implications of management choices on biodiversity and sustainability, and need for social innovations.
Notes: Restriction: Students registered in Environment Option, or permission of instructor.
Note: An understanding of ecological principles is required to take this course. Comparative case studies will be used.
Administering Faculty: Graduate Studies
Teaching Department: Bieler School of Environment
Status (catalog level): Active

ENVR 630
Credit Weight: 3
Transcript Title: Civilization and Environment
Calendar Title: Civilization and Environment.
Description: Considers ways to reduce the human impact on Earth's life support systems through
variables such as population size, wealth, technology, and conduct. Critically describes ethical frameworks for judging personal and policy choices, including post-collapse scenarios.

Notes:
Prerequisite: Permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Bieler School of Environment
Status (catalog level): Active

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
<td>Environmental Seminar 1</td>
<td>Interdisciplinary environmental research seminars with the goals of appreciating both the breadth and interconnectedness of environmental research questions.</td>
<td>Restriction: Open to students registered in Environment Option.</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
<td>Environmental Seminar 2</td>
<td>Environmental seminars and workshops focused on critical thinking, critical review of articles, team work, effective public speaking, grantmanship.</td>
<td>Restriction: Open to students registered in the Environment Option.</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
<td>Environmental Seminar 3</td>
<td>Final research seminar.</td>
<td></td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
<td>Topics in Environment 4</td>
<td>Seminars and discussion of advanced, interdisciplinary aspects of current problems in environment led by staff and/or special guests.</td>
<td>Restriction: students taking the Neotropical Environment Option.</td>
</tr>
</tbody>
</table>
Prerequisite: Permission of Instructor

**Administering Faculty:** Graduate Studies

**Teaching Department:** Bieler School of Environment

**Status (catalog level):** Active
EPIB 507
Credit Weight: 3
Transcript Title: Biostats for Health Sciences
Calendar Title: Biostats for Health Sciences.
Description:
Basic principles of statistical inference applicable to clinical, epidemiologic, and other health research. Topics include: methods of describing data, statistical inference for means, statistical inference for proportions, non-parametric statistics, correlation and introduction to linear regression.
Notes:
Prerequisite: Permission of instructor
Restriction: Restricted to students registered in the Faculty of Medicine, Dentistry, Human Nutrition, Medical Residents, and Clinical Fellows.
Course not open to students registered in the Epidemiology and Biostatistics programs.
Due to the intensive nature of this course during the summer session, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day. The standard add/drop and withdrawal deadlines apply for sections of this course offered during the Fall or Winter semesters.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 521
Credit Weight: 3
Transcript Title: Regression Anal for Health Sc.
Calendar Title: Regression Analysis for Health Sciences.
Description:
The aim of this course is to provide students with basic principles of regression analyses applicable to the health sciences so that they can understand and use appropriate statistical regression techniques for continuous and discrete data. The course will cover: Linear regression: Regression for two or more explanatory variables, Polynomial regression, Dummy variables, Inference for regression parameters, Confounding and collinearity, Effect modification, Model-checking, Model selection, Prediction. Logistic and Poisson regression: Logistic regression for one or more variables, Interpreting odds ratios, Inference for logistic and Poisson regression parameters, Confounding and interactions in logistic regression, Model selection, Prediction. A very brief overview of survival analysis.
Notes:
Prerequisite(s): EPIB 507 or permission of the instructor.
Restriction(s): Course not open to students registered in the Epidemiology, Biostatistics or Public Health programs. Not open to students who have taken EPIB 591 when topic was ¡Regression Analysis for Health Sciences".
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 526
Credit Weight: 3
Transcript Title: Society, Human Biology&Health
Calendar Title: Society, Human Biology and Health.
Description:
Social determinants of health (such as educational attainment, childhood socioeconomic circumstances, social integration, discrimination, and job strain) with particular emphasis on the biological mechanisms (e.g. components of the
cardiovascular system, endocrine system, immune system, nervous system, and genetics) by which social circumstances influence health.

Notes:
Prerequisite: Permission of the instructor
This course is open to graduate students and advanced undergraduates from all departments, with the permission of the instructor. Basic knowledge in epidemiology or physiology is useful, though not required.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 591
Credit Weight: 3
Transcript Title: Special Topics in Epidemiology
Calendar Title: Special Topics in Epidemiology.
Description:
Special topics in epidemiology.
Notes:
Prerequisite: Permission of the instructor.
Note: This course is open to graduate students and advanced undergraduates from all departments, with the permission of the instructor.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 600
Credit Weight: 3
Transcript Title: Clinical Epidemiology
Calendar Title: Clinical Epidemiology.
Description:
Principles and methods of epidemiology, as applied to clinical practice and clinical research. Key principles of testing and measurement in the clinical context, as well as study design, analysis, and inference in the clinical research setting.
Notes:
Course offered during the Summer Session only.
Restriction: Restricted to McGill Medical Residents and Clinical Fellows or permission of the instructor for other clinicians.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 601
Credit Weight: 4
Transcript Title: Fundamentals of Epidemiology
Calendar Title: Fundamentals of Epidemiology.
Description:
This course aims to provide a comprehensive introduction to epidemiologic concepts and corresponding terms. After an introduction to the history, definition, and purposes of epidemiology, "core" concepts that are relevant in several areas of investigation (e.g., etiologic research, health care research, and community
medicine practice) will be presented.

Notes:

Administrating Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 603
Credit Weight: 4
Transcript Title: Intermediate Epidemiology
Calendar Title: Intermediate Epidemiology.
Description:
Concepts and methods for epidemiology at the intermediate level, including causation, measures of disease occurrence and effect, study designs, biases in epidemiologic research, interaction, and data analysis for categorical and survival data using statistical software.

Notes:
Prerequisite(s): EPIB 601, EPIB 607, and PPHS 602.
Administrating Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 605
Credit Weight: 1
Transcript Title: Critical Appraisal in Epid
Calendar Title: Critical Appraisal in Epidemiology.
Description:
This course provides the opportunity to develop skills to critically evaluate evidence presented in the biomedical and health sciences literature, based on the concepts acquired in the epidemiology introductory courses.

Notes:
Prerequisites: EPIB 601 and EPIB 607.
Administrating Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 607
Credit Weight: 4
Transcript Title: Inferential Statistics
Calendar Title: Inferential Statistics.
Description:
Introduction to the basic principles of statistical inference used in clinical and epidemiologic research. Topics include variability; methods of processing and describing data; sampling and sampling distributions; inferences regarding means and proportions, non-parametric methods, regression and correlation.

Notes:
Prerequisite (Undergraduate): A first year course in undergraduate differential and integral calculus.
Administrating Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 613
Credit Weight: 1
Transcript Title: Intro to Statistical Software
Calendar Title: Introduction to Statistical Software.
Description:
Introduction to statistical software and data management; including basics of
entering, manipulating data and elementary statistical analysis, SAS software, with reference to other packages of potential interest to students (R, Stata, SPSS).

Notes:
Prerequisite: Enrolment in Epidemiology stream program or permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 619
Credit Weight: 2
Transcript Title: Syst. Reviews & Meta-Analysis
Calendar Title: Systematic Reviews and Meta-Analysis.
Description: An overview of principles, methods and practice of systematic reviews and meta-analysis in the field of medicine and public health.
Notes: Prerequisites: EPIB 601 and EPIB 607, or equivalent, or permission of the instructor
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 621
Credit Weight: 4
Transcript Title: Data Analysis in Health Sci
Calendar Title: Data Analysis in Health Sciences.
Description: Univariate and multivariate statistical techniques for continuous categorical and survival data. Topics include generalized linear models, multiple linear and logistic regression, introductory survival analysis, model selection. Maximum likelihood and Bayesian approaches will be presented.
Notes: Prerequisite(s): EPIB 601 and EPIB 607 of permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 625
Credit Weight: 3
Transcript Title: Ethics of Human Research
Calendar Title: Ethics of Human Research.
Description: Introduction to the ethics of conducting research involving human beings, with focus on clinical trials and surveys of ethical issues in public health research, experimental psychology, and animal experimentation. Areas covered include: scandals involving research with humans; ethical and regulatory guidelines and structures; ethical theory and principles of human research ethics; empirical findings on ethical practice in research.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active
EPIB 627
Credit Weight: 3
Transcript Title: Analysis of Correlated Data
Calendar Title: Analysis of Correlated Data.
Description:
This course will provide a basic introduction to methods for analysis of correlated, or dependent, data. These data arise when observations are not gathered independently; examples are longitudinal data, household data, cluster samples, etc. Basic descriptive methods and introduction to regression methods for both continuous and discrete outcomes.
Notes:
Prerequisites: EPIB 603, EPIB 621, EPIB 634 or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 628
Credit Weight: 3
Transcript Title: Measurement in Epidemiology
Calendar Title: Measurement in Epidemiology.
Description:
This course will focus on methodological issues related to measures of health status, determinants of health status, and other relevant covariates encountered in clinical and epidemiologic research. Topics to be covered include instrument development, assessment of reliability and validity, item response theory, and latent variable-based measurement models.
Notes:
Prerequisites: EPIB 603 and EPIB 621 or Permission of Instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 629
Credit Weight: 3
Transcript Title: Knowledge Synthesis
Calendar Title: Knowledge Synthesis.
Description:
This course will provide a detailed description of the systematic review process, discuss the strengths and limitations of the method, and provide step-by-step guidance on how to perform a systematic review, and how to critically appraise systematic reviews. Specific topics to be covered include: formulation of the review question, searching of literature, quality assessment of studies, data extraction, meta-analytic methods, and report writing. The course will also cover statistical issues of meta-analysis.
Notes:
Prerequisite(s): EPIB 601 and EPIB 607, or equivalent, or permission of the instructor.
Restriction(s): Not open to students who have taken EPIB 619. Not open to students who have taken EPIB 675 when topic was 'Knowledge Synthesis'.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 631
Credit Weight: 2
Transcript Title: Pharmacoepidemiology 2
Calendar Title: Pharmacoepidemiology 2.
Description: An advanced course on the methodology to be used when confronted with an alleged adverse or beneficial event related to a drug, a vaccine or a biological product. It includes four parts: i) designs for etiological research; ii) surveillance (modelling, statistical appraisal); iii) hazard functions in pharmacoepidemiology; iv) exposure assessment.
Notes: Offered only in Summer term.
Prerequisites: EPIB 633, or instructor's permission, and basic knowledge of epidemiology and biostatistics
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administrating Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 632
Credit Weight: 3
Transcript Title: Mental Dis:Pop Perspec&Methods
Calendar Title: Mental Disorders: Population Perspectives and Methods.
Description: Semester-long seminar on key issues and concepts integral to the epidemiological study of mental disorders, through the lens of a population perspective. Review of the origins of the field, classical studies, and recent major studies. Survey of where the field is now. Discussion of national and global burden of mental disorders. Defining and diagnosing mental disorders. Methods to identify psychopathology in community versus clinical settings. Reliability and validity of psychiatric diagnoses and measurement tools. Research designs including approaches to study etiology, health services delivery, prevention, role functioning, and policy.
Notes: Prerequisite(s): EPIB 603 or equivalent, or permission of instructor
Restrictions: Not open to students who have taken or are taking PSYT 713.
Administrating Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 633
Credit Weight: 2
Transcript Title: Pharmacoepidemiology 1
Calendar Title: Pharmacoepidemiology 1.
Description: This course is an introduction to epidemiological thinking as it applies to the evaluation of the effects of drugs on the health of populations. It is composed of four parts: i) assessment of adverse event reports; ii) basic designs for pharmacoepidemiologic investigations; iii) data gathering in pharmacoepidemiology; iv) introduction to the use of epidemiologic methods for the assessment of benefits and economic impacts of drug.
Notes: Offered only in Summer Term
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

**EPIB 634**
Credit Weight: 3
Transcript Title: Fundamentals of Pharmacoepidem
Calendar Title: Fundamentals of Pharmacoepidemiology.
Description:
The objective of this course is for students to develop an understanding of the design and analysis of pharmacoepidemiologic studies. It includes didactic lectures, group discussions, and the examination of examples from the medical literature. Topics covered including an overview of commonly used study designs, exposure and outcome assessment, new-user designs, healthy-user effects, non-traditional study designs, and the role of confounding and methods used to minimize it. Biases particularly relevant to pharmacoepidemiology are also discussed.
Notes:
Prerequisite(s): EPIB 601 and EPIB 607, or permission of instructor
Corequisite(s): EPIB 603 and EPIB 621, or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

**EPIB 635**
Credit Weight: 3
Transcript Title: Clinical Trials
Calendar Title: Clinical Trials.
Description:
Lectures and discussions on issues, approaches and techniques of clinical trials including assessment of feasibility, ethics, randomization, strengths and weaknesses of alternative designs, sample size requirements, protocol development, trial management and analysis, reporting and interpretation of trial results.
Notes:
Prerequisite(s): EPIB 601 and EPIB 607.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

**EPIB 636**
Credit Weight: 2
Transcript Title: Reproductive Epidemiology
Calendar Title: Reproductive Epidemiology.
Description:
This course will provide an overview of reproductive epidemiology, as well as introduce basic concepts and principles for this area of research. The focus will be on methodological issues related to studying repeated pregnancy outcomes, infertility, fetal loss, neonatal mortality, birth weight and gestational age. The course will also provide students with tools for critical reading of scientific articles in this field.
Notes:
Basic knowledge of epidemiology is highly recommended.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 637
Credit Weight: 3
Transcript Title: AdvModel:Surv&OtherMultivData
Calendar Title: Advanced Modeling: Survival and Other Multivariable Data.
Description: Advanced applied biostatistics course dealing with flexible modeling of non-linear effects of continuous covariates in multivariable analyses, and survival data, including e.g. time-varying covariates and time-dependent or cumulative effects. Focus on the concepts, limitations and advantages of specific methods, and interpretation of their results. Students will get hands-on experience in the implementation of selected methods by applying them to their own multivariable data, in individual survival analysis projects.
Notes: Prerequisite(s): EPIB 621, or equivalent, or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 638
Credit Weight: 3
Transcript Title: Mathematical Modeling of ID
Calendar Title: Mathematical Modeling of Infectious Diseases.
Description: Mathematical models of infectious diseases ¿computer simulations of epidemics¿ enable detailed analyses and understanding of factors affecting the distribution of infections/diseases in populations and now play a key role in policy making. Covered topics include: short-term dynamics of infections (R0), compartmental models, stochastic models (including agent-based), contact patterns and heterogeneity, and Bayesian model calibration. The learning objectives are: 1) recognize research questions that can be addressed using modeling; 2) develop, parameterize, calibrate, and analyze simple infectious disease models in R; and 3) critically appraise scientific modeling papers.
Notes: Prerequisite(s): EPIB 621 or permission of the instructor
Restrictions: Not open to students who have taken EPIB 676 when topic was "Mathematical Models of Infectious Diseases". This is an intermediate-level quantitative course. Previous courses in calculus and biostatistics are recommended (in doubt, contact the instructor prior to registration). A working knowledge of the R statistical software (or equivalent) is mandatory (data structures, function, loop, etc.).
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 639
Credit Weight: 4
Transcript Title: Pharmacoepidemiologic Methods
Calendar Title: Pharmacoepidemiologic Methods.
Description: The objective of this course is to provide students with an in-depth review of the methods and principles of pharmacoepidemiology. Topics covered include themes related to the potential data sources, appropriate exposure definitions, the use of active drug comparators, latency and the application of lag periods, reverse causality, detection bias, methodological considerations in the assessment of
acute versus chronic outcomes, new-user designs, healthy-user effects, and non-traditional study designs (e.g., within-user designs). In addition, the role of confounding and methods used to minimize its effects, such as the use of propensity scores, instrumental variables, and marginal structural models will be discussed.

Notes:
Prerequisite(s): EPIB-603, EPIB-621, or equivalent, or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 641
Credit Weight: 1
Transcript Title: Substantive Epidemiology 1
Calendar Title: Substantive Epidemiology 1.
Description:
Designed to give students an overview of a major disease or health problem. Students will develop their knowledge of a topic regarding 1) key definitions, concepts and indicators useful in study of the problem; 2) epidemiology of problem; 3) major studies of interventions designed to address the problem. Topics currently offered include cancer, injury prevention and heart disease but not all are offered in each semester.
Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 642
Credit Weight: 1
Transcript Title: Substantive Epidemiology 2
Calendar Title: Substantive Epidemiology 2.
Description:
Designed to give students an overview of a major disease or health problem. Students will develop their knowledge of a topic regarding 1) key definitions, concepts and indicators useful in study of the problem; 2) epidemiology of problem; 3) major studies of interventions designed to address the problem. Topics currently offered include cancer, injury prevention and heart disease but not all are offered in each semester.
Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 643
Credit Weight: 1
Transcript Title: Substantive Epidemiology 3
Calendar Title: Substantive Epidemiology 3.
Description:
Designed to give students an overview of a major disease or health problem. Students will develop their knowledge of a topic regarding 1) key definitions, concepts and indicators useful in study of the problem; 2) epidemiology of
problem; 3) major studies of interventions designed to address the problem. Topics currently offered include cancer, injury prevention and heart disease but not all are offered in each semester.

Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 644
Credit Weight: 1
Transcript Title: Substantive Epidemiology 4
Calendar Title: Substantive Epidemiology 4.
Description:
Designed to give students an overview of a major disease or health problem. Students will develop their knowledge of a topic regarding 1) key definitions, concepts and indicators useful in study of the problem; 2) epidemiology of problem; 3) major studies of interventions designed to address the problem. Topics currently offered include cancer, injury prevention and heart disease but not all are offered in each semester.

Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the day before the beginning of lectures and withdrawal is the first lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 645
Credit Weight: 1
Transcript Title: Substantive Epidemiology 5
Calendar Title: Substantive Epidemiology 5.
Description:
Designed to give students an overview of a major disease or health problem. Students will develop their knowledge of a topic regarding 1) key definitions, concepts and indicators useful in study of the problem; 2) epidemiology of problem, 3) major studies of interventions designed to address the problem. Topics currently offered include cancer, injury prevention and heart disease but not all are offered in each semester.

Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the day before the beginning of lectures and withdrawal is the first lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 647
Credit Weight: 3
Transcript Title: Analysis Temporal & Spatial Data
Calendar Title: Analysis Temporal and Spatial Data.
Description:
This course focuses on the computational management and analysis of large data sets in epidemiology. We will consider data storage and retrieval, prospective temporal and spatial analysis, and the evaluation of pattern detection.
Notes:
Prerequisites: EPIB 603 and EPIB 621 or permission of instructor.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Epidemiology and Biostatistics

**Status (catalog level)**: Active

**EPIB 648**

**Credit Weight**: 3

**Transcript Title**: Methods in Social Epidemiology

**Calendar Title**: Methods in Social Epidemiology.

**Description**:
Methods for conducting studies in social epidemiology and population health will be covered. Topics will include causal inference; measurement and concepts of social exposures; methods for study design and analysis. Techniques for descriptive and etiologic investigations of socioeconomic position, gender, race and ethnicity, geography, and social policies will be discussed.

**Notes**:
Prerequisites: EPIB 603 and EPIB 621, or permission of the instructors

**Administering Faculty**: Graduate Studies

**Teaching Department**: Epidemiology and Biostatistics

**Status (catalog level)**: Active

**EPIB 651**

**Credit Weight**: 1

**Transcript Title**: Selected Topics in Biostats 1

**Calendar Title**: Selected Topics in Biostatistics 1.

**Description**:
The purpose of this 1-credit courses is to cover specific methodologic topics in more detail than is given in the main courses on statistical methods. The topics to be offered may vary from year to year. Topics currently offered include "Biometric Methods in Occupational Epidemiology" and "Practical Considerations of Statistical Power".

**Administering Faculty**: Graduate Studies

**Teaching Department**: Epidemiology and Biostatistics

**Status (catalog level)**: Active

**EPIB 654**

**Credit Weight**: 2

**Transcript Title**: Pharmacoepidemiology 4

**Calendar Title**: Pharmacoepidemiology 4.

**Description**:
The utility of epidemiological techniques for the assessment of drug benefits after their marketing is presented. The course is composed of four parts: (i) methodology of Phase IV studies (efficacy and effectiveness studies); (ii) measurement of quality of life; (iii) evaluation of the economic impact of drugs; (iv) assessment of the effects of drugs and vaccines on the public health system.

**Notes**:
Offered only in Summer term.
Prerequisite(s): EPIB 601 and EPIB 607 or permission of instructor.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Epidemiology and Biostatistics

**Status (catalog level)**: Active
EPIB 661
Credit Weight: 2
Transcript Title: Pharmacoepidemiology 3
Calendar Title: Pharmacoepidemiology 3.
Description: In this course, students are confronted with real examples of pharmaco-epidemiologic problems. Flagship studies in pharmaco-epidemiology are reviewed in terms of protocol, design issues, data collection, statistical analysis and interpretation of results.
Notes: Offered only in Summer term.
Prerequisites: EPIB 631, EPIB 633 or permission of instructor
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 662
Credit Weight: 1
Transcript Title: Pharma Basis of Pharmacoepidemiology
Calendar Title: Pharmacological Basis of Pharmacoepidemiology.
Description: The objective of this course is to provide students with an indepth review of the principles of pharmacology which are essential for the design, analysis and critical appraisal of studies in pharmacoepidemiology.
Notes: Prerequisite(s): EPIB 633, or equivalent, or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 663
Credit Weight: 1
Transcript Title: Substantive Epidemiology 6
Calendar Title: Substantive Epidemiology 6.
Description: Designed to give students an overview of major disease or health problem, disease or substantive area. The students will develop their knowledge of the topic regarding 1) The key definition, concepts and indicators useful in the study of the problem; 2) The epidemiology of the problem; and 3) Major studies of interventions designed to address the problems.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 664
Credit Weight: 1
Transcript Title: Substantive Epidemiology 7
Calendar Title: Substantive Epidemiology 7.
Description: Designed to give students an overview of major disease or health problem, disease or substantive area. The students will develop their knowledge of the topic
regarding 1) The key definition, concepts and indicators useful in the study of
the problem; 2) The epidemiology of the problem, and 3) Major studies of
interventions designed to address the problems.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 665
Credit Weight: 1
Transcript Title: Substantive Epidemiology 8
Calendar Title: Substantive Epidemiology 8.
Description:
Designed to give students an overview of major disease or health problem, disease
or substantive area. The students will develop their knowledge of the topic
regarding 1) The key definition, concepts and indicators useful in the study of
the problem; 2) The epidemiology of the problem; and 3) Major studies of
interventions designed to address the problems.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 668
Credit Weight: 2
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description:
Study, through lectures, guided reading, practicals, assignments etc., of an
elected and approved topic of epidemiologic importance.

Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal
deadlines do not apply. Add/drop is the second lecture day and withdrawal is the
fourth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 669
Credit Weight: 2
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description:
Study, through lectures, guided reading, practicals, assignments etc., of an
elected and approved topic of epidemiologic importance.

Notes:
**Although this course follows a Monday class lecture pattern, there will be a
final assignment/exam due on Tuesday, June 30, 2020.
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 669D1
Credit Weight: 1
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.

Description:
Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.

Notes:
Students must register for both EPIB 669D1 and EPIB 669D2
No credit will be given for this course unless both EPIB 669D1 and EPIB 669D2 are successfully completed in consecutive terms
EPIB 669D1 and EPIB 669D2 together are equivalent to EPIB 669

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 669D2
Credit Weight: 1

Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.

Description:
See EPIB 669D1 for course description.

Notes:
Prerequisite: EPIB 669D1
No credit will be given for this course unless both EPIB 669D1 and EPIB 669D2 are successfully completed in consecutive terms
EPIB 669D1 and EPIB 669D2 together are equivalent to EPIB 669

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 670
Credit Weight: 2

Transcript Title: Special Topics 3
Calendar Title: Special Topics 3.

Description:
Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.

Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 671
Credit Weight: 3

Transcript Title: Cancer Epidemiology & Prevention
Calendar Title: Cancer Epidemiology and Prevention.

Description:
This course will explore the common epidemiologic approaches to studying etiologic relations in carcinogenesis and for assessing the efficacy of cancer prevention interventions. Emphasis will be given on both molecular and social epidemiology domains with examples of different study designs and data analysis methods and of the impact of measurement error and other biases.

Notes:
Prerequisite(s): EPIB 601 and EPIB 621, or equivalent, or permission of
instructor.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**EPIB 672**  
**Credit Weight:** 2  
**Transcript Title:** Special Topics 5  
**Calendar Title:** Special Topics 5.  
**Description:** Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.  
**Notes:**  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.**  
**Although this course follows a Monday class lecture pattern, there will be a final assignment/exam due on Tuesday, June 30, 2020.**

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**EPIB 675**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics 6  
**Calendar Title:** Special Topics 6.  
**Description:** Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.  
**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**EPIB 676**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics 7  
**Calendar Title:** Special Topics 7.  
**Description:** Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active

**EPIB 677**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics 8  
**Calendar Title:** Special Topics 8.  
**Description:** Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.  
**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Epidemiology and Biostatistics  
**Status (catalog level):** Active
EPIB 678
Credit Weight: 3
Transcript Title: Special Topics 9
Calendar Title: Special Topics 9.
Description: Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 679
Credit Weight: 3
Transcript Title: Special Topics 10
Calendar Title: Special Topics 10.
Description: Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 681
Credit Weight: 3
Transcript Title: Global Health: Epid. Research
Calendar Title: Global Health: Epidemiological Research.
Description: A review of selected epidemiological research focussing on global health and disease topics. Research will be mostly from developing countries and research methods will be highlighted. Case studies will be used to illustrate specific applications and challenges.
Notes: Prerequisite: With permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 682
Credit Weight: 2
Transcript Title: Intro to Bayesian Anal:Hlth Sc
Calendar Title: Introduction to Bayesian Analysis in Health Sciences.
Description: Introduction to practical Bayesian methods. Topics will include Bayesian philosophy, simple Bayesian models including linear and logistic regression, hierarchical models, and numerical techniques, including an introduction to the Gibbs sampler. Programming in R and WinBUGS.
Notes: Prerequisite(s): EPIB 607 and EPIB 621 or permission from the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 683
Credit Weight: 2
Transcript Title: Intermd Bayesian Anal:Hlth Sc
Calendar Title: Intermediate Bayesian Analysis in Health Sciences.
Description:
Bayesian design and analysis with applications specifically geared towards epidemiological research. Topics may include multi-leveled hierarchical models, diagnostic tests, Bayesian sample size methods, issues in clinical trials, measurement error and missing data problems. Programming in R and WinBUGS.
Notes:
Prerequisite(s): EPIB 682 or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 684
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 1
Calendar Title: Principles of Environmental Health Sciences 1.
Description:
Topics in environmental health sciences: principles of exposure assessment and of toxicology.
Notes:
Restriction(s): Open to graduate students pursuing a career in Environmental Health Sciences or with permission of the course instructors. Not open to students who have taken or are taking EXMD 670 or NRSC 670 or PHAR 670.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 685
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 2
Calendar Title: Principles of Environmental Health Sciences 2.
Description:
Topics in environmental health sciences: principles of environmental epidemiology.
Notes:
Restriction(s): Open to graduate students in the Environmental Health Sciences or permission of the course instructors. Not open to students who have taken or are taking EXMD 671 or NRSC 671 or PHAR 671.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 686
Credit Weight: 3
Transcript Title: Environmental Health Seminar
Calendar Title: Environmental Health Seminar.
Description:
The seminar will promote critical thinking among students regarding current topics in environmental and occupational health. The course will comprise critical review of papers and topics from the literature, discussion of key studies in environmental health, student presentations, presentations by outside speakers, presentation of novel methods by students and faculty, and other topics.
Notes:
Available to all graduate students in EBOH, and with approval of instructors to students in other departments in which health or epidemiology is taught. Students
in EBOH will be given priority.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 690
Credit Weight: 21
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: Thesis research under supervision.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 691
Credit Weight: 12
Transcript Title: Research Project: Epidemiology
Calendar Title: Research Project in Epidemiology.
Description: Students will critically assess research and summarize the findings in a research paper on a health related topic from an epidemiologic perspective. Topic to be approved by faculty member who will direct student and evaluate the paper.
Notes:
Restriction(s): Limited to non-thesis M.Sc. students who have completed requirements.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 691D1
Credit Weight: 6
Transcript Title: Research Project: Epidemiology
Calendar Title: Research Project in Epidemiology.
Description: Students will critically assess research and summarize the findings in a research paper on a health related topic from an epidemiologic perspective. Topic to be approved by faculty member who will direct student and evaluate the paper.
Notes:
Restriction(s): Limited to non-thesis M.Sc. students who have completed requirements.
Students must register for both EPIB 691D1 and EPIB 691D2. No credit will be given for this course unless both EPIB 691D1 and EPIB 692D2 are successfully completed in consecutive terms. EPIB 691D1 and EPIB 691D2 together are equivalent to EPIB 691.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 691D2
Credit Weight: 6
Transcript Title: Research Project: Epidemiology
Calendar Title: Research Project in Epidemiology.
Description: Students will critically assess research and summarize the findings in a research paper on a health related topic from an epidemiologic perspective. Topic to be approved by faculty member who will direct student and evaluate the paper.
Notes:
Prerequisite: EPIB 691D1
No credit will be given for this course unless both EPIB 691D1 and EPIB 691D2 are successfully completed in consecutive terms.
EPIB 691D1 and EPIB 691D2 together are equivalent to EPIB 691.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description:
The comprehensive examination is a written examination. The objective is to assess the degree to which students have been able to assimilate and apply the principles of epidemiologic research. Examinations held twice yearly.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 702
Credit Weight: 0
Transcript Title: Ph.D. Proposal
Calendar Title: Ph.D. Proposal.
Description:
Essential skills for thesis writing and defence, including essential elements of research protocols, formulation of research objectives, the design, and strategies.

Notes:
Note: Required for Ph.D. students.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 702D1
Credit Weight: 0
Transcript Title: Ph.D. Proposal
Calendar Title: Ph.D. Proposal.
Description:
Essential skills for thesis writing and defence, including essential elements of research protocols, formulation of research objectives, the design, and strategies.

Notes:
Note: Required for Ph.D. students.
Students must register for both EPIB 702D1 and EPIB 702D2
No credit will be given for this course unless both EPIB 702D1 and EPIB 702D2 are successfully completed in consecutive terms
EPIB 702D1 and EPIB 702D2 together are equivalent to EPIB 702

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 702D2
Credit Weight: 0
Transcript Title: Ph.D. Proposal
Calendar Title: Ph.D. Proposal.
Description: See EPIB 702D1 for course description.
Notes: Prerequisite: EPIB 702D1
No credit will be given for this course unless both EPIB 702D1 and EPIB 702D2 are successfully completed in consecutive terms
EPIB 702D1 and EPIB 702D2 together are equivalent to EPIB 702
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 703
Credit Weight: 2
Transcript Title: Principles of Study Design
Calendar Title: Principles of Study Design.
Description: This course will provide an overview of the concepts and principles underlying epidemiologic study design. Focus will be on the importance of appropriately formulating the research question, identifying the target population, defining the relevant entities, and on how these factors affect the validity of study findings. Examples from the published literature will be extensively used to illustrate the crucial points and will be discussed in class.
Notes: Restriction(s): Registration in the Ph.D. Epidemiology program, or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 704
Credit Weight: 4
Transcript Title: Doctoral Level Epib Methods 1
Calendar Title: Doctoral Level Epidemiologic Methods 1.
Description: Estimation of epidemiologic effect measures and their confidence intervals in a variety of different study designs. Emphasis on analysis of sample data sets using regression models, graphical and tabular presentation of results, causal interpretation of effect estimates, writing reports for scientific publications, and sensitivity analyses for violated assumptions.
Notes: Prerequisite(s): EPIB 603 and EPIB 621 or equivalent
Restriction(s): Open to Ph.D students in Epidemiology or Biostatistics programs only.
Not open to students who have taken EPIB 604.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPIB 705
Credit Weight: 4
Transcript Title: Doctoral Level Epid Methods 2
Calendar Title: Doctoral Level Epidemiologic Methods 2.
Description: The course has a conceptual and analytical causal inference perspective. The
nature of specific study biases resulting in non-causal components in the observed association between exposure and outcome are discussed, including endogenous selection bias, measured and unmeasured confounding, and measurement error. Methods to recover the causal effect with such biases are presented. Causal mediation analysis is discussed. Models for survival analysis are discussed as well as the problem of- and some solutions to missing data. A brief overview of genetic epidemiology principles is covered.

Notes:
Prerequisite(s): EPB 704
Restriction(s): Open to Ph.D. students in Epidemiology or Biostatistics programs only.
Not open to students who have taken EPB 608.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPB 706
Credit Weight: 3
Transcript Title: Doctoral Seminar: Epidemiology
Calendar Title: Doctoral Seminar in Epidemiology.

Description:
This course aims to provide an opportunity to students who have completed the Epidemiology course series in the Department of Epidemiology, Biostatistics and Occupational Health, to optimize their training in ways that will be helpful to their thesis research and to the development of their career as epidemiologists. The content of this interactive course and the delivery of the material is primarily determined by students based on the knowledge gaps that they identify. The course will allow students to expand their methodological tool box, explore controversies in epidemiology, and gain experience synthesizing and communicating complex concepts to an informed audience.

Notes:
Prerequisite(s): EPB 701
Restriction(s): Enrolment in PhD Epidemiology or permission of instructor
Not open to students who have taken EPB 609.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPB 707
Credit Weight: 3
Transcript Title: Res Design in Health Sci
Calendar Title: Research Design in Health Sciences.

Description:
Lectures and discussions and student oral and written presentations with the aim of providing guidance and experience in the development of objectives, background and methods for both the formulation of, and the constructive peer criticism of, research protocols in the health sciences.

Notes:
Prerequisite(s): EPB 701
Restriction(s): Registration in the PhD program in Epidemiology.
Not open to students who have taken EPB 623.

Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

EPB 710
Credit Weight: 3
Causal inference using potential outcomes has become a standard part of the toolkit for epidemiologic researchers. In this course students will review foundational material on potential outcomes, and then understand and implement advanced methods. The class will emphasize both conceptual understanding and implementation, including analyses of complex datasets. Time-fixed and time-varying exposures will be considered. Methods studied will vary but will include marginal structural models, structural nested models, and targeted maximum likelihood.

Notes:
Prerequisite(s): EPIB 705 or equivalent, or permission of instructor.
Restriction(s): Restricted to Ph.D. students in the Department of Epidemiology, Biostatistics, and Occupational Health.
Not open to students who have taken EPIB 610.

Administrering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active
EPSC 180
Credit Weight: 3
Transcript Title: The Terrestrial Planets
Calendar Title: The Terrestrial Planets.
Description:
A comparative survey of the planets of our solar system with an emphasis on the terrestrial planets and their implications for the Earth as a planet. Topics include: structure and origin of the solar system, meteorites, and comparisons of the terrestrial planets in terms of their rotational properties, magnetic fields, atmospheres, surface histories, internal structure, chemical composition, volcanism, and tectonics.
Notes:
Winter
3 hours lectures
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 181
Credit Weight: 3
Transcript Title: Environmental Geology
Calendar Title: Environmental Geology.
Description:
Introduction to the relationship of geological processes and materials to the human environment; geologic hazards; hydrogeology; impacts of waste disposal, energy use, land resource development.
Notes:
Winter
3 hours lectures
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 185
Credit Weight: 3
Transcript Title: Natural Disasters
Calendar Title: Natural Disasters.
Description:
This course examines the science behind different types of disasters and our ability or inability to control and predict such events. From this course the student will gain an appreciation of natural disasters beyond the newspaper headlines, and will better understand how the effects of disasters can be reduced.
Notes:
Fall
3 hours lectures
This is a double-prefix course and is identical in content with ATOC 185.
Restriction: Not open to students who have taken or are taking ATOC 185.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 186
Credit Weight: 3
Transcript Title: Astrobiology
Calendar Title: Astrobiology.
Description:
Astrobiology is the study of life throughout the universe. The course will cover
the search for, and characterization of, habitable worlds. We will explore the formation and evolution of stars and planets, the astronomical and geological factors that impact a planet's habitability, the evolution of life on Earth, and the potential for biological evolution beyond an organism's planet of origin.

Notes:
Restriction(s): Not open to students who have taken or are taking EPSC 182, ANAT 182, or PHYS 186.
1. Winter
2. This is a double-prefix course and is identical in content with PHYS 186.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 199
Credit Weight: 3
Transcript Title: FYS: Earth & Planetary Explor.
Calendar Title: FYS: Earth and Planetary Exploration.
Description: An exploration of how earth and planetary scientists reconstruct the current state, past progress, and initial conditions of the continuously evolving Earth experiment.
Notes:
Fall
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 201
Credit Weight: 3
Transcript Title: Understanding Planet Earth
Calendar Title: Understanding Planet Earth.
Description: Learn about Earth's origin, its place in the solar system, its internal structure, rocks and minerals, the formation of metal and fossil fuel deposits, and the extinction of dinosaurs. Discover the impact of the volcanic eruptions, earthquakes and mountain chains on Earth's past, present and future. Explore 125 million-year-old Mount Royal.
Notes:
Fall or Winter
3 hours lectures; afternoon field trips
Restriction: Not open to students who have taken or are taking EPSC 233.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 210
Credit Weight: 3
Transcript Title: Introductory Mineralogy
Calendar Title: Introductory Mineralogy.
Description: Elementary crystallography, chemistry and identification of the principal rock-forming and ore minerals, in hand specimens and using optical microscopy. Demonstrations of other techniques applied to the identification of minerals and to the analysis of their composition and structure. Optional 2-day field trip.
Notes:
Fall
2 hours lectures, 3 hours laboratory
Prerequisite(s): CHEM 110 or equivalent, or permission of the instructor.
A nominal fee is charged to cover expenses of materials and supplies for
identification kits (pen magnet, streak plate, hand lens and acid bottle) used to
identify minerals during laboratory exercises.
Des frais seront prélevés pour couvrir l'usage des collections d'enseignement et
les accessoires (loupe, aimant, bouteille d'acide chlorhydrique dilué, plaque de
porcelaine) essentiels à l'identification des minéraux pendant les travaux
pratiques.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 212
Credit Weight: 3
Transcript Title: Introductory Petrology
Calendar Title: Introductory Petrology.
Description:
A survey of igneous, sedimentary and metamorphic rocks and the processes
responsible for their formation. The laboratory will emphasize the recognition of
rocks in both hand-specimen and thin section using optical microscopes.
Notes:
Winter
2 hours lectures, 3 hours laboratory
Prerequisite: EPSC 210

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 220
Credit Weight: 3
Transcript Title: Principles of Geochemistry
Calendar Title: Principles of Geochemistry.
Description:
Basic concepts in geochemistry and the application of geochemical principles of
chemistry to geological subdisciplines. Particular emphasis on origin of elements,
controls on their distribution in Earth and cosmos, isotopes, organic geochemistry
and water chemistry. Application of phase diagrams to geology.
Notes:
Fall
2 hours lecture, 3 hours laboratory

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 221
Credit Weight: 3
Transcript Title: General Geology
Calendar Title: General Geology.
Description:
An introductory course in physical geology designed for majors in civil and mining
engineering. Properties of rocks and minerals, major geological processes,
together with natural hazards and their effects on engineered structures are
emphasized. The laboratory is an integral part of the course which includes rock
and mineral identification, basic techniques of airphoto and geological map interpretation, and structural geology.

Notes:
Fall
2 hours lectures, 3 hours laboratory
Restriction: Open to Engineering students only.
A nominal fee is charged to cover expenses of materials and supplies for identification kits (pen magnet, streak plate, hand lens and acid bottle) used to identify minerals during laboratory exercises.
Des frais seront prélèves pour couvrir l'usage des collections d'enseignement et les accessoires (loupe, aimant, bouteille d'acide chlorhydrique dilué, plaque de porcelaine) essentiels à l'identification des minéraux pendant les travaux pratiques.

Administering Faculty: Faculty of Engineering
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 225
Credit Weight: 1
Transcript Title: Properties of Minerals
Calendar Title: Properties of Minerals.
Description:
Survey of the physical and chemical properties of the main mineral groups. Discussion of their relationships to the chemical composition and structure of minerals. The practical exercises emphasize the physical and chemical properties that relate to industrial uses and environmental issues, and the identification of hand specimens.

Notes:
Winter
1 hour lecture, 1 hour laboratory
Restriction: Open to Engineering students only
Restriction: Not open to students who have taken EPSC 210

EPSC 231
Credit Weight: 3
Transcript Title: Field School 1
Calendar Title: Field School 1.
Description:
Geological mapping of selected areas, preparation of maps, reports from field notes, aerial photographs, etc.

Notes:
Prerequisite: EPSC 240, or permission of the instructor.
This field course, given in the U.S., has an additional fee projected to be $609.78 to cover the costs of transportation, some meals and accommodation as well as other field expenses. The fee is only refundable prior to the deadline to withdraw with full refund. The Department of Earth and Planetary Sciences subsidizes a portion of the cost for this activity.

EPSC 233
Credit Weight: 3
Transcript Title: Earth and Life History

Notes:

Calendar Title: Earth and Life History.
Description:
Interpretation of stratified rocks; history of Earth with special emphasis on the regions of North America; outline of the history of life recorded in fossils.
Notes:
Fall
3 hours lectures
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 240
Credit Weight: 3
Transcript Title: Geology in the Field
Calendar Title: Geology in the Field.
Description:
Lectures and field-based exercises, held locally on campus and in the Montreal area, introduce students to the reading and interpretation of a topographic map, the basic description of a stratigraphic section and the inference of its depositional environment, the nature of intrusive contacts, and the field measurement of some structural features and geophysical properties. Students plot geological information on a map, identify landforms in aerial views and learn the tectonic features diagnostic of plate margins. By the end of the course, the students relate a geological map to the geological history of Quebec.
Notes:
Restriction: Priority is given to students in programs for which this course is required.
Open to U0 students with permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 303
Credit Weight: 3
Transcript Title: Structural Geology
Calendar Title: Structural Geology.
Description:
Primary igneous and sedimentary structures, attitudes of planes and lines, stress and strain, fracturing of rocks, faulting, homogeneous strain, description and classification of folds, foliation and lineation, orthographic and stereographic projections.
Notes:
2 hours lectures, 3 hours laboratory
Prerequisite(s): EPSC 231, or permission of the instructor.
Not open to students who have taken EPSC 203.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 320
Credit Weight: 3
Transcript Title: Elementary Earth Physics
Calendar Title: Elementary Earth Physics.
Description:
Physical properties of Earth and the processes associated with its existence as inferred from astronomy, geodesy, seismology, geology, terrestrial magnetism and...
thermal evolution.

Notes:
Fall
Two 1.5 hour lectures
Prerequisite: MATH 133 and MATH 222 or their equivalent.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 325
Credit Weight: 3
Transcript Title: Environmental Geochemistry
Calendar Title: Environmental Geochemistry.
Description: The basic concepts and calculations needed to quantitatively understand the geochemical processes occurring between minerals and waters in Earth's near-surface environment. The important concepts of thermodynamics and kinetics will be exemplified using examples that concentrate on reactions between minerals and water and their impact on the environment.
Notes: Prerequisites: CHEM 110 or some familiarity with the basic principles of the periodic table (high school/cegep general chemistry is acceptable), or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 331
Credit Weight: 3
Transcript Title: Field School 2
Calendar Title: Field School 2.
Description: Two week field studies in selected branches of the geosciences.
Notes: Two-week intensive field school to a range of national and international locations.
Prerequisites: EPSC 240, enrolment in U2 or U3 EPS program, and permission of the instructor.
Alternates years with EPSC 341.
The field school will be based around the Bay of Fundy, and central Nova Scotia and has an additional fee of $594.10 to cover the costs of transportation and accommodation as well as other field expenses. Six days will be spent around the Chignecto peninsula, including visits to Parrsboro, Joggins, and Cape Chignecto park. The remaining time will be spent between Pictou, Wolfville and the Annapolis valley, and the coast south of Halifax.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 334
Credit Weight: 3
Transcript Title: Invertebrate Paleontology
Calendar Title: Invertebrate Paleontology.
Description: Preservation of fossils; the fossil record of invertebrates; use of fossils in stratigraphy and paleoecology; fossils in evolutionary studies. Fossils of invertebrates are studied in the laboratory.
Notes:
Winter
2 hours lectures and one laboratory period
Prerequisite: EPSC 201 or EPSC 233 or ENVR 202 or permission of instructor

Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 340
Credit Weight: 3
Transcript Title: Earth and Planetary Inference
Calendar Title: Earth and Planetary Inference.
Description:
Introduction to modern techniques for combining geological, geophysical, and geochemical measurements with theoretical knowledge about Earth and other planets. Use of tools from time series analysis and inverse methods to build models and test hypotheses within the Earth and Planetary Sciences.

Notes:
Fall
2 hours lectures, 3 hours laboratory
Prerequisites: Completion of U1 year in Earth & Planetary Sciences or permission of instructor
Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 341
Credit Weight: 3
Transcript Title: Field School 3
Calendar Title: Field School 3.
Description:
Two week field studies in selected branches of the geosciences to examine processes in geology.
Symbols: ALTY - Taught in alternate years
Notes:
Two week intensive field school to a range of national and international locations.
Prerequisites: EPSC 240, enrolment in U2 or U3 EPS program and permission of the instructor.
Alternates years with EPSC 331.
This course, given every alternate year, has an additional fee of $594.10 to cover the costs of airfare, meals and accommodation as well as other field expenses. The fee is only refundable prior to the deadline to withdraw with full refund. The department of Earth and Planetary Science subsidizes a portion of the cost for this activity.
Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 350
Credit Weight: 3
Transcript Title: Tectonics
Calendar Title: Tectonics.
Description:
Rheology of the Earth, mechanics of the crust and mantle and core, convection in the mantle, evolution and kinematics and deformations of the oceanic and
continental plates, thermal evolution of the Earth, the unifying theory of plate tectonics.

Notes:
Winter
3 hours lectures
Prerequisite(s): EPSC 320

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 355
Credit Weight: 3
Transcript Title: Sedimentary Geology
Calendar Title: Sedimentary Geology.
Description:
The origin, classification, diagenesis and economic importance of sedimentary rocks. The physical properties of sedimentary rocks, the processes by which sediments are transported and deposited, and the environments in which they accumulate. Introduction to techniques for describing and analyzing sedimentary rocks in thin section, hand specimen, and on the outcrop.

Notes:
Prerequisites: EPSC 210, EPSC 212
Restriction(s): Not open to students who have taken EPSC 455.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 373
Credit Weight: 3
Transcript Title: Arctic Geology
Calendar Title: Arctic Geology.
Description:
This course introduces students to the principles of the geology of the Canadian Arctic. The primary objectives of the course are to train students in theory and practice of geology in the Canadian Arctic. Practical training includes drill core logging, surveying, mapping, sample collecting, and geological interpretations.

Notes:
Prerequisite(s): Two courses from the following list: GEOG 203, GEOG 205, GEOG 272, GEOG 372, ENV 200, ENV 202, EPSC 203, EPSC 210, EPSC 212, EPSC 220, EPSC 233, ATOC 214, ATOC 215, ATOC 219, SOIL 300.
Corequisite(s): ATOC 373, GEOG 373, [ATOC 473 or EPSC 473 or GEOG 473].
Note(s): 1. This course is one of a set of four field courses (ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473) designed to be taken concurrently. It complements programs in natural science disciplines by providing students with specialized field training and research experience focusing on the unique environmental conditions of cold polar systems. 2. Cost includes transportation, room and board, field expenses. Students are charged $12,000 for the four courses combined: ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473. 3. Arctic localities: Iqaluit, Resolute Bay, and Central Axel Heiberg Island in the Canadian High Arctic.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description: Independent research project with a final written report.
Notes: Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 423
Credit Weight: 3
Transcript Title: Igneous Petrology
Calendar Title: Igneous Petrology.
Description: Physical properties, nucleation, crystallization, differentiation and emplacement of magmas. Integrated studies on various rock suites.
Notes: Fall
2 hours lectures, 3 hours laboratory
Prerequisites: EPSC 212, and enrolment in U2 or U3 EPS program.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 425
Credit Weight: 3
Transcript Title: Sediments to Sequences
Calendar Title: Sediments to Sequences.
Description: Advanced techniques for interrogating the stratigraphic record. Topics include cyclicity in the sedimentary record, sequence stratigraphy, chemostratigraphy, sedimentary control on the fossil record, and the record of deep sea sediment cores.
Notes: Winter
2 hours lectures, 3 hours laboratory
Prerequisites: EPSC 355 or ESYS 300 or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 435
Credit Weight: 3
Transcript Title: Applied Geophysics
Calendar Title: Applied Geophysics.
Description:
Methods in geophysical surveying including gravity, magnetism, electromagnetism, resistivity and seismology; application to exploration and near surface environmental and hydrological targets are included, along with field applications of techniques.
Notes:
Fall
Prerequisites: EPSC 231 or EPSC 320, or permission of instructor
3 hours lectures
2 hours lectures, 3 hours laboratory
The field component of the course will be held in all weather conditions.
Appropriate clothing is required by the students.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 445
Credit Weight: 3
Transcript Title: Metamorphic Petrology
Calendar Title: Metamorphic Petrology.
Description:
The origin, classification and petrological significance of metamorphic rocks, from the point of view of theory, experiment and field observations.
Notes:
Winter
2 hours lectures, 3 hours laboratory
Prerequisite(s): EPSC 212, enrolment in U2 or U3 EPS program.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 452
Credit Weight: 3
Transcript Title: Mineral Deposits
Calendar Title: Mineral Deposits.
Description:
A systematic review of the nature and origin of the major types of metallic and non-metallic mineral deposits; typical occurrences; geographic distribution; applications to exploration. Emphasis on magmatic ores, massive sulfides, iron formations.
Notes:
Fall
2 hours lectures, 3 hours laboratory
Prerequisite: EPSC 220, enrolment in U2 or U3 EPS program
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 460
Credit Weight: 3
Transcript Title: Independent Reading Project
Calendar Title: Independent Reading Project.
Description:
Independent reading project with a final written report.
Notes:
EPSC 460D1 and EPSC 460D2 together are equivalent to EPSC 460.
Prerequisite(s): Any three courses among EPSC 203, EPSC210, EPSC 212, EPSC 220 or higher-level EPSC course(s); or permission of instructor
Fall, Winter or Summer
Before registration, projects must be arranged individually with a faculty member in the Earth and Planetary Science Department, and a written proposal signed by the supervisor and student must be approved by the departmental director of undergraduate studies.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 460D1
Credit Weight: 1.5
Transcript Title: Independent Reading Project
Calendar Title: Independent Reading Project.
Description: Independent reading project with a final written report.
Notes: Fall, Winter or Summer
Before registration, projects must be arranged individually with a faculty member in the Earth and Planetary Science Department, and a written proposal signed by the supervisor and student must be approved by the departmental director of undergraduate studies.
Students must also register for EPSC 460D2.
No credit will be given for this course unless both EPSC 460D1 and EPSC 460D2 are successfully completed in consecutive terms.
EPSC 460D1 and EPSC 460D2 together are equivalent to EPSC 460.
Prerequisite(s): Any three courses among EPSC 203, EPSC210, EPSC 212, EPSC 220 or higher-level EPSC course(s); or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 460D2
Credit Weight: 1.5
Transcript Title: Independent Reading Project
Calendar Title: Independent Reading Project.
Description: Independent reading project with a final written report.
Notes: Prerequisite(s): EPSC 460D1
No credit will be given for this course unless both EPSC 460D1 and EPSC 460D2 are successfully completed in consecutive terms.
EPSC 460D1 and EPSC 460D2 together are equivalent to EPSC 460.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 470D1
Credit Weight: 3
Transcript Title: Undergraduate Thesis Research
Calendar Title: Undergraduate Thesis Research.
Description: Research project, designed by a student in consultation with a departmental faculty member, leading to a thesis.
Restriction: For Major students in 3rd year
Students must register for both EPSC 470D1 and EPSC 470D2
No credit will be given unless both EPSC 470D1 and EPSC 470D2 are successfully
completed in consecutive terms
A statement of the proposed project and method of evaluation, signed by the
student and supervisor, must be submitted to the departmental Director of
Undergraduate Studies for approval by the add/drop deadline of the first semester
in which the student registers for this course. The results of the research must
be presented in the form of an undergraduate thesis.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 470D2
Credit Weight: 3
Transcript Title: Undergraduate Thesis Research
Calendar Title: Undergraduate Thesis Research.
Description:
See EPSC 470D1 for description.

Notes:
Prerequisite: EPSC 470D1
No credit will be given unless both EPSC 470D1 and EPSC 470D2 are successfully
completed in consecutive terms
A statement of the proposed project and method of evaluation, signed by the
student and supervisor, must be submitted to the departmental Director of
Undergraduate Studies for approval by the add/drop deadline of the first semester
in which the student registers for this course. The results of the research must
be presented in the form of an undergraduate thesis.
For Major students in 3rd year.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 470N1
Credit Weight: 3
Transcript Title: Undergraduate Thesis Research
Calendar Title: Undergraduate Thesis Research.
Description:
Research project, designed by a student in consultation with a departmental
faculty member, leading to a thesis.

Notes:
Restriction: For Major students in 3rd year
Students must also register for EPSC 470N2
No credit will be given unless both EPSC 470N1 and EPSC 470N2 are successfully
completed in a twelve month period
A statement of the proposed project and method of evaluation, signed by the
student and supervisor, must be submitted to the departmental Director of
Undergraduate Studies for approval by the add/drop deadline of the first semester
in which the student registers for this course. The results of the research must
be presented in the form of an undergraduate thesis.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 470N2

EPSC 470N2
Credit Weight: 3
Transcript Title: Undergraduate Thesis Research
Calendar Title: Undergraduate Thesis Research.
Description:
See EPSC 470N1 for course description.
Notes:
Prerequisite: EPSC 470N1
Restriction: For Major students in 3rd year
Students must register for both EPSC 470N1 and EPSC 470N2
No credit will be given unless both EPSC 470N1 and EPSC 470N2 are successfully completed in a twelve month period
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the first semester in which the student registers for this course. The results of the research must be presented in the form of an undergraduate thesis.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 473
Credit Weight: 6
Transcript Title: Arctic Field Research
Calendar Title: Arctic Field Research.
Description:
This course is the independent research component of the McGill Arctic Field Study Semester. It has four distinct parts, a) problem identification and background preparation, b) research design and field data collection, c) lab and data analysis, and d) report preparation and presentation. The research design and field data collection will be part of an extended period of fieldwork based in the Canadian Arctic. The Lab and data analysis will begin in the field and finish on campus. Each student will prepare a manuscript style report and make a conference presentation based on their research.
Notes:
Corequisite(s): GEOG 373, EPSC 373 and ATOC 373.
Restriction(s): Permission of the instructor. Not open to students who have taken or are taking ATOC 473 or GEOG 473.
Note(s): 1. This course is one of a set of four field courses (ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473) designed to be taken concurrently. It complements programs in natural science disciplines by providing students with specialized field training and research experience focusing on the unique environmental conditions of cold polar systems. 2. Cost includes transportation, room and board, field expenses. Students are charged $12,000 for the four courses combined: ATOC, 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473. 3. Arctic localities: Iqaluit, Resolute Bay, and Central Axel Heiberg Island in the Canadian High Arctic.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 478
Credit Weight: 1
Transcript Title: Short Research Project
Calendar Title: Short Research Project.
Description:
Supervised research project in earth and planetary sciences.
Notes:
Fall or Winter
Restrictions: Open only to U3 students. Students are expected to find an appropriate instructor for their project.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 480D1
Credit Weight: 3
Transcript Title: Honours Research Thesis
Calendar Title: Honours Research Thesis.
Description:
Research project, designed by a student in consultation with a departmental faculty member, leading to a thesis.
Notes:
Restriction: For Honours students in 3rd year
Students must register for both EPSC 480D1 and EPSC 480D2
No credit will be given for this course unless both EPSC 480D1 and EPSC 480D2 are successfully completed in consecutive terms
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the first semester in which the student registers for this course. The results of the research must be presented in the form of an undergraduate thesis.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 480D2
Credit Weight: 3
Transcript Title: Honours Research Thesis
Calendar Title: Honours Research Thesis.
Description:
See EPSC 480D1 for course description.
Notes:
Prerequisite: EPSC 480D1
No credit will be given for this course unless both EPSC 480D1 and EPSC 480D2 are successfully completed in consecutive terms
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the first semester in which the student registers for this course. The results of the research must be presented in the form of an undergraduate thesis.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 480N1
Credit Weight: 3
Transcript Title: Honours Research Thesis
Calendar Title: Honours Research Thesis.
Description:
Research project, designed by a student in consultation with a departmental faculty member, leading to a thesis.
Notes:
Restriction: For Honours students in 3rd year
Students must register for both EPSC 480N1 and EPSC 480N2
No credit will be given for this course unless both EPSC 480N1 and EPSC 480N2 are successfully completed in a twelve month period
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the first semester in which the student registers for this course. The results of the research must be presented in the form of an undergraduate thesis.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Earth & Planetary Sciences

**Status (catalog level):** Active

**EPSC 480N2**

**Credit Weight:** 3

**Transcript Title:** Honours Research Thesis

**Calendar Title:** Honours Research Thesis.

**Description:**
See EPSC 480N1 for course description.

**Notes:**
Prerequisite: EPSC 480N1
Restriction: For Honours students in 3rd year
Students must register for both EPSC 480N1 and EPSC 480N2
No credit will be given for this course unless both EPSC 480N1 and EPSC 480N2 are successfully completed in a twelve month period
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the first semester in which the student registers for this course. The results of the research must be presented in the form of an undergraduate thesis.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Earth & Planetary Sciences

**Status (catalog level):** Active

**EPSC 482**

**Credit Weight:** 3

**Transcript Title:** Research in Earth & Planetary Sci

**Calendar Title:** Research in Earth and Planetary Sciences.

**Description:**
Research project designed by a student in consultation with a departmental faculty member of Earth & Planetary Sciences.

**Notes:**
May not be taken concurrently with EPSC 480
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the semester in which the student registers for this course.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Earth & Planetary Sciences

**Status (catalog level):** Active

**EPSC 482D1**

**Credit Weight:** 1.5

**Transcript Title:** Research in Earth & Planetary Sci

**Calendar Title:** Research in Earth and Planetary Sciences.

**Description:**
Research project designed by a student in consultation with a departmental faculty member of Earth & Planetary Sciences.

Notes:
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the semester in which the student registers for this course.
Students must register for both EPSC 482D1 and EPSC 482D2
No credit will be given for this course unless both EPSC 482D1 and EPSC 482D2 are successfully completed in consecutive terms
EPSC 482D1 and EPSC 482D2 together are equivalent to EPSC 482

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 482D2
Credit Weight: 1.5
Transcript Title: Res in Earth & Planetary Sci
Calendar Title: Research in Earth and Planetary Sciences.
Description:
Research project designed by a student in consultation with a departmental faculty member of Earth & Planetary Sciences.
Notes:
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of Undergraduate Studies for approval by the add/drop deadline of the semester in which the student registers for this course.
Prerequisite: EPSC 482D1
No credit will be given for this course unless both EPSC 482D1 and EPSC 482D2 are successfully completed in consecutive terms
EPSC 482D1 and EPSC 482D2 together are equivalent to EPSC 482

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 501
Credit Weight: 3
Transcript Title: Crystal Chemistry
Calendar Title: Crystal Chemistry.
Description:
Discussion of crystal structures and compositions of important mineral groups, especially oxides, sulphides and silicates. Solid solution. Relation of structure to morphology and to chemical and physical properties of the rock-forming minerals.
Notes:
2 hours lectures, 1 hour seminar
Prerequisite(s): EPSC 210 (or equivalent) and at least one 300- or higher-level course in petrology, or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 503
Credit Weight: 3
Transcript Title: Advanced Structural Geology
**Calendar Title:** Advanced Structural Geology.

**Description:**
The fundamental concepts of stress, strain and deformation mechanisms in rocks are explored. Topics include, but are not restricted to, theory of continuum mechanics, brittle deformation, intracrystalline deformation, and frictional sliding. Deformation structures are studied in the field and/or using petrographic and micro-analytical methods to link the theory to natural systems. Problem solving through effective use of field and laboratory data and observations is integrated throughout, with emphasis on basic numerical methods developed in Matlab.

**Notes:**
Prerequisite: EPSC 303 or permission of instructor

**Administering Faculty:** Faculty of Science

**Teaching Department:** Earth & Planetary Sciences

**Status (catalog level):** Active

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**EPSC 510**

**Credit Weight:** 3

**Transcript Title:** Geodynamics

**Calendar Title:** Geodynamics.

**Description:**
Topics in geodynamics including the gravity field of the Earth and planets, the body and orbital dynamics of planets and moons, tidal interactions, Earth deformation under static and dynamic loads including glacial isostatic adjustment and sea level change, the history and dynamics of the Earth's climate and of surface ice and water.

**Notes:**
Fall
3 hours lectures
Prerequisites: EPSC 320, EPSC 203, MATH 222, MATH 319 or permission of the instructor.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Earth & Planetary Sciences

**Status (catalog level):** Active

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**EPSC 513**

**Credit Weight:** 3

**Transcript Title:** Climate and the Carbon Cycle

**Calendar Title:** Climate and the Carbon Cycle.

**Description:**
What does the rapid increase in CO2, currently driven by human activities, mean for future climate? Where will the carbon released by humans go, and how long will it take? An overview of the mechanisms governing global climate, the carbon cycle, and geological evidence for past changes in climate and the carbon cycle. Through assignments, students build their own simple Earth System models in order to explore basic principles of the coupling between climate and the carbon cycle. Output from General Circulation Models is analysed and recent peer-reviewed scientific literature is discussed.

**Notes:**
Prerequisite(s): ESYS 300 or EPSC 340 or ENVR 301 or ATOC 315; or permission of instructor.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Earth & Planetary Sciences

**Status (catalog level):** Active

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**EPSC 519**
Credit Weight: 3
Transcript Title: Isotopes in Earth & Env Sci
Calendar Title: Isotopes in Earth and Environmental Science.
Description: The theory and application of stable and radioactive isotope measurements in the Earth and environmental sciences, including applications in geology, hydrology, climatology, biogeochemistry, and ecology.
Notes: Fall
3 hours lectures
Prerequisite: CHEM 120 or EPSC 220, and registration as U2 or higher in a B.Sc. program, or permission of the instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 520
Credit Weight: 3
Transcript Title: Earthquake Physics and Geology
Calendar Title: Earthquake Physics and Geology.
Description: What are earthquakes and how do we study them? Fundamental mechanics of faulting and earthquake source processes are explored from theoretical and observational perspectives. The lectures cover concepts of earthquake source mechanism, including seismic waves, earthquake energy budget, fracture and friction mechanics, earthquake cycle deformation, earthquake triggering and prediction, and seismic hazards. This is complemented by in-class discussion on recent major discoveries and challenges in the field. Students learn to investigate earthquake source process by using seismic, geodetic and geological data in computer labs and course projects supervised by the instructor(s).
Notes: Prerequisite(s): EPSC 320 and MATH 222
Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 525
Credit Weight: 3
Transcript Title: Microbio of the Earth System
Calendar Title: Microbiology of the Earth System.
Description: Examination of microbes that have influenced the earth's elemental cycles that sustain life on the planet, their interactions with the goal of understanding the diversity, dynamics and function of microbes in shaping our environment. Topics include global biogeochemical cycling, marine microbiology, microbe-metal interactions, bioremediation, astrobiology and the impact of climate change on microbial processes.
Notes: Prerequisite: One of BIOL 200, MIMM 211 is recommended, but familiarity with cell biology from BIOL 112, AEBI 122, CEGEP objective 00XU or equivalent is required at a minimum.
Restriction: Open to U2 or higher in a B.Sc. or B.A. & Sc. program.
Not open to students who have taken EPSC 550 when the topic was "Geomicrobiology" or "Microbiology of the Earth System".
Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 530
Credit Weight: 3
Transcript Title: Volcanology
Calendar Title: Volcanology.
Description: The physical mechanisms which drive volcanoes and volcanic activity are presented. Descriptive, practical and theoretical approaches to the study of volcanoes are discussed.
Notes: Winter
2 hours lectures, 3 hours laboratory
Prerequisites: EPSC 212 or equivalent, or permission of instructor.
Prerequisites: Enrolment in U2 or U3 EPS program
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 540
Credit Weight: 3
Transcript Title: Crustal Rheology
Calendar Title: Crustal Rheology.
Description: A mostly qualitative survey that explores the peer-reviewed literature describing rock deformation and tectonic plate motion on a broad scale, with an emphasis on interpreting past deformation from the rock record.
Notes: Prerequisite: EPSC 303
Restrictions: Not open to students who have taken EPSC 551 when the topic was "Crustal Rheology".
Course includes an optional field trip to gain experience collecting field data to share for term projects.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 547
Credit Weight: 3
Transcript Title: Modeling Geochemical Processes
Calendar Title: Modelling Geochemical Processes.
Description: Advanced thermodynamics and kinetics will be applied to construct models that quantitatively investigate geochemical processes. Topics include, but are not restricted to: activity-composition relationships in solids, liquids and fluids, crystallization and melting, precipitation and dissolution, rates of geochemical processes, interaction of geological liquids and fluids with rocks and minerals.
Notes: Fall
3 hours lectures
Prerequisites: EPSC 220, MATH 222, or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 548
Credit Weight: 3
Transcript Title: Igneous Petrogen. Mechanisms
Calendar Title: Igneous Petrogenetic Mechanisms.
Description:
Investigation of the primary mechanisms causing the diversity of igneous rock compositions on the Earth, other planets, asteroids, and meteorite parent bodies.
Notes:
Winter
2 hours lectures, 1 hour seminar
Prerequisite: EPSC 423
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 549
Credit Weight: 3
Transcript Title: Hydrogeology
Calendar Title: Hydrogeology.
Description:
Notes:
Winter
3 hours lectures
Prerequisite: permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 550
Credit Weight: 3
Transcript Title: Selected Topics 1
Calendar Title: Selected Topics 1.
Description:
Research seminar and/or lecture with readings in topics concerning aspects of current interests in Earth & Planetary Sciences.
Notes:
Fall or Winter
2 hours seminar, permission of department undergraduate advisor
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 551
Credit Weight: 3
Transcript Title: Selected Topics 2
Calendar Title: Selected Topics 2.
Description:
Research seminar and/or lecture with readings in topics concerning aspects of current interest in Earth & Planetary Sciences.
Notes:
Fall or Winter
2 hours seminar, permission of department undergraduate advisor
Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 552
Credit Weight: 3
Transcript Title: Selected Topics 3
Calendar Title: Selected Topics 3.
Description: Research seminar and/or lecture with readings in topics concerning aspects of current interest in Earth & Planetary Sciences.
Notes: Fall or Winter
2 hours seminar, permission of department undergraduate advisor

EPSC 561
Credit Weight: 3
Transcript Title: Ore-forming Processes
Calendar Title: Ore-forming Processes.
Description: Physicochemical controls of hydrothermal mineral deposition. Discussion of fluid inclusion theory and application; stable isotope systematics, wall-rock alteration; ore mineral solubility and speciation; and mechanisms of mineral deposition.
Notes: Winter
3 hours seminar
Prerequisite: One course in ore petrology (EPSC 451 or EPSC 452) or equivalent, or permission of instructor

EPSC 567
Credit Weight: 3
Transcript Title: Advanced Volcanology
Calendar Title: Advanced Volcanology.
Description: An in-depth approach to physical and chemical processes associated with volcanic systems. Examination of magma chamber dynamics, magma behaviour in conduits, and eruption mechanisms. Study of eruptive products including pyroclastic deposits, lava flows and lava domes, and volcanic gases. Volcanic-tectonic and magma-hydrothermal interactions.
Notes: Prerequisite: EPSC 530 or permission of instructor

EPSC 570
Credit Weight: 3
Transcript Title: Cosmochemistry
Calendar Title: Cosmochemistry.
Description:
Examines the implications of phase equilibria and the compositions of meteorites
and the solar system for the formation and internal differentiation of the
terrestrial planets and the nature of chemical fractionation processes in both
planetary interiors and the solar system as a whole.

Notes:
Fall
3 hours lecture
Prerequisites: EPSC 220, EPSC 210, or equivalent, or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 590
Credit Weight: 3
Transcript Title: Applied Geochemistry Seminar
Calendar Title: Applied Geochemistry Seminar.
Description:
Seminar course devoted to field case studies that illustrate the applications of
geochemical principles to solving geologic problems. Each student will prepare and
lead a class devoted to a geochemical subject of their own choosing.

Notes:
Winter
3 hours seminar
Prerequisite: permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 644
Credit Weight: 3
Transcript Title: Topics-Advanced Earth Sci. 1
Calendar Title: Topics - Advanced Earth Sciences 1.
Description:
A survey of a research topic of particular current interest.

Notes:
3 hours lectures or seminars

Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 645
Credit Weight: 3
Transcript Title: Topics-Advanced Earth Sci 2
Calendar Title: Topics - Advanced Earth Sciences 2.
Description:
A survey of a research topic of particular current interest.

Notes:
3 hours lectures or seminars

Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 666
Credit Weight: 3
Transcript Title: Current Issues in Geosciences
Calendar Title: Current Issues in Geosciences.
Description: Current issues in the range of geoscience disciplines.
Notes: Restriction: Open to graduate students enrolled in the EPS department.
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 697
Credit Weight: 9
Transcript Title: Thesis Preparation 1
Calendar Title: Thesis Preparation 1.
Description: Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.
Notes: 
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 697D1
Credit Weight: 4.5
Transcript Title: Thesis Preparation 1
Calendar Title: Thesis Preparation 1.
Description: Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.
Notes: Students must register for both EPSC 697D1 and EPSC 697D2
No credit will be given for this course unless both EPSC 697D1 and EPSC 697D2 are successfully completed in consecutive terms
EPSC 697D1 and EPSC 697D2 together are equivalent to EPSC 697
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 697D2
Credit Weight: 4.5
Transcript Title: Thesis Preparation 1
Calendar Title: Thesis Preparation 1.
Description: See EPSC 697D1 for course description.
Notes: Prerequisite: EPSC 697D1
No credit will be given for this course unless both EPSC 697D1 and EPSC 697D2 are successfully completed in consecutive terms
EPSC 697D1 and EPSC 697D2 together are equivalent to EPSC 697
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 697N1
Credit Weight: 4.5
Transcript Title: Thesis Preparation 1  
Calendar Title: Thesis Preparation 1.  
Description:  
Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.  
Notes:  
Students must also register for EPSC 697N2  
No credit will be given for this course unless both EPSC 697N1 and EPSC 697N2 are successfully completed in the a twelve month period  
EPSC 697N1 and EPSC 697N2 together are equivalent to EPSC 697

Administering Faculty: Graduate Studies  
Teaching Department: Earth & Planetary Sciences  
Status (catalog level): Active

EPSC 697N2
Credit Weight: 4.5

Transcript Title: Thesis Preparation 1  
Calendar Title: Thesis Preparation 1.  
Description:  
See EPSC 697N1 for course description.  
Notes:  
Prerequisite: EPSC 697N1  
No credit will be given for this course unless both EPSC 697N1 and EPSC 697N2 are successfully completed in the a twelve month period  
EPSC 697N1 and EPSC 697N2 together are equivalent to EPSC 697

Administering Faculty: Graduate Studies  
Teaching Department: Earth & Planetary Sciences  
Status (catalog level): Active

EPSC 698
Credit Weight: 12

Transcript Title: Thesis Preparation 2  
Calendar Title: Thesis Preparation 2.  
Description:  
Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.  
Notes:  
Administering Faculty: Graduate Studies  
Teaching Department: Earth & Planetary Sciences  
Status (catalog level): Active

EPSC 698D1
Credit Weight: 6

Transcript Title: Thesis Preparation 2  
Calendar Title: Thesis Preparation 2.  
Description:  
Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.  
Notes:  
Students must register for both EPSC 698D1 and EPSC 698D2  
No credit will be given for this course unless both EPSC 698D1 and EPSC 698D2 are successfully completed in consecutive terms  
EPSC 698D1 and EPSC 698D2 together are equivalent to EPSC 698
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active  

**EPSC 698D2**  
**Credit Weight:** 6  
**Transcript Title:** Thesis Preparation 2  
**Calendar Title:** Thesis Preparation 2.  
**Description:**  
See EPSC 698D1 for course description.  

**Notes:**  
Prerequisite: EPSC 698D1  
No credit will be given for this course unless both EPSC 698D1 and EPSC 698D2 are successfully completed in consecutive terms  
EPSC 698D1 and EPSC 698D2 together are equivalent to EPSC 698

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active  

**EPSC 698N1**  
**Credit Weight:** 6  
**Transcript Title:** Thesis Preparation 2  
**Calendar Title:** Thesis Preparation 2.  
**Description:**  
Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.  

**Notes:**  
Students must also register for EPSC 698N2  
No credit will be given for this course unless both EPSC 698N1 and EPSC 698N2 are successfully completed in a twelve month period  
EPSC 698N1 and EPSC 698N2 together are equivalent to EPSC 698

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active  

**EPSC 698N2**  
**Credit Weight:** 6  
**Transcript Title:** Thesis Preparation 2  
**Calendar Title:** Thesis Preparation 2.  
**Description:**  
See EPSC 698N1 for course description.  

**Notes:**  
Prerequisite: EPSC 698N1  
No credit will be given for this course unless both EPSC 698N1 and EPSC 698N2 are successfully completed in a twelve month period  
EPSC 698N1 and EPSC 698N2 together are equivalent to EPSC 698

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active  

**EPSC 699**  
**Credit Weight:** 12  
**Transcript Title:** Thesis Preparation 3  
**Calendar Title:** Thesis Preparation 3.  

**Description:**
Independent study, theoretical and/or laboratory work in connection with the
development of an M.Sc. thesis. Success in the course is dependent on presentation
of an adequate progress report to the supervisory committee.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 699D1
Credit Weight: 6
Transcript Title: Thesis Preparation 3
Calendar Title: Thesis Preparation 3.
Description: Independent study, theoretical and/or laboratory work in connection with the
development of an M.Sc. thesis. Success in the course is dependent on presentation
of an adequate progress report to the supervisory committee.
Notes: Students must register for both EPSC 699D1 and EPSC 699D2
No credit will be given for this course unless both EPSC 699D1 and EPSC 699D2 are
successfully completed in consecutive terms
EPSC 699D1 and EPSC 699D2 together are equivalent to EPSC 699
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 699D2
Credit Weight: 6
Transcript Title: Thesis Preparation 3
Calendar Title: Thesis Preparation 3.
Description: See EPSC 699D1 for course description.
Notes: Prerequisite: EPSC 699D1
No credit will be given for this course unless both EPSC 699D1 and EPSC 699D2 are
successfully completed in consecutive terms
EPSC 699D1 and EPSC 699D2 together are equivalent to EPSC 699
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 699N1
Credit Weight: 6
Transcript Title: Thesis Preparation 3
Calendar Title: Thesis Preparation 3.
Description: Independent study, theoretical and/or laboratory work in connection with the
development of an M.Sc. thesis. Success in the course is dependent on presentation
of an adequate progress report to the supervisory committee.
Notes: Students must also register for EPSC 699N2
No credit will be given for this course unless both EPSC 699N1 and EPSC 699N2 are
successfully completed in a twelve month period
EPSC 699N1 and EPSC 699N2 together are equivalent to EPSC 699
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active
EPSC 699N2
Credit Weight: 6
Transcript Title: Thesis Preparation 3
Calendar Title: Thesis Preparation 3.
Description: See EPSC 699N1 for course description.
Notes: Prerequisite: EPSC 699N1
No credit will be given for this course unless both EPSC 699N1 and EPSC 699N2 are successfully completed in a twelve month period
EPSC 699N1 and EPSC 699N2 together are equivalent to EPSC 699

Administrating Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 700
Credit Weight: 0
Transcript Title: Preliminary Doctoral Exam
Calendar Title: Preliminary Doctoral Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administrating Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 700D1
Credit Weight: 0
Transcript Title: Preliminary Doctoral Exam
Calendar Title: Preliminary Doctoral Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Students must register for both EPSC 700D1 and EPSC 700D2
No credit will be given for this course unless both EPSC 700D1 and EPSC 700D2 are successfully completed in consecutive terms
EPSC 700D1 and EPSC 700D2 together are equivalent to EPSC 700

Administrating Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 700D2
Credit Weight: 0
Transcript Title: Preliminary Doctoral Exam
Calendar Title: Preliminary Doctoral Examination.
Description: See EPSC 700D1 for course description.
Notes: Prerequisite: EPSC 700D1
No credit will be given for this course unless both EPSC 700D1 and EPSC 700D2 are successfully completed in consecutive terms
EPSC 700D1 and EPSC 700D2 together are equivalent to EPSC 700

Administrating Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 715
Credit Weight: 3
Transcript Title: Instrumental Analysis
Calendar Title: Instrumental Analysis.
Description:
Notes:
3 hours lectures, 3 hours laboratory
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 725
Credit Weight: 3
Transcript Title: Independent Studies 1
Calendar Title: Independent Studies 1.
Description:
Research and/or reading project. Independent study under the guidance of qualified staff in areas of special interest to the student.
Notes:
Restriction: Not available to students who have taken EPSC 720. Ineligible for credit in M.Sc. Thesis program
Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

EPSC 726
Credit Weight: 3
Transcript Title: Independent Studies 2
Calendar Title: Independent Studies 2.
Description:
Research and/or reading project. Independent study under the guidance of qualified staff in areas of special interest to the student.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active
ESYS 104  
**Credit Weight:** 3  
**Transcript Title:** The Earth System  
**Calendar Title:** The Earth System.  
**Description:**  
Earth system science examines the complex interactions among the atmosphere, biosphere, geosphere and hydrosphere. It focuses on physical, chemical, and biological processes that extend over spatial scales ranging from microns to the size of planetary orbits, and spans time scales from fractions of a second to billions of years.  
**Notes:**  
Winter  
3 hours lecture  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active

ESYS 200  
**Credit Weight:** 3  
**Transcript Title:** Earth System Processes  
**Calendar Title:** Earth System Processes.  
**Description:**  
Complex interactions among the atmosphere, biosphere, geosphere and hydrosphere. Biological, chemical and physical processes within and between each "sphere" that extend over spatial scales ranging from microns to the size of planetary orbits and that span time scales from fractions of a second to billions of years.  
**Notes:**  
Winter  
3 hours lecture  
**Prerequisite(s):** ENVR 200 or permission of instructor.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active

ESYS 300  
**Credit Weight:** 3  
**Transcript Title:** Investigating the Earth System  
**Calendar Title:** Investigating the Earth System.  
**Description:**  
An understanding of the biological, chemical and physical fundamentals of the Earth system and how the different components interact. The mechanisms controlling interactions between reservoirs are quantitatively investigated. Special emphasis on the development and response of the Earth system to perturbations.  
**Notes:**  
Fall  
3 hours lecture  
**Prerequisite:** ESYS 200 or equivalent.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Earth & Planetary Sciences  
**Status (catalog level):** Active

ESYS 301  
**Credit Weight:** 3  
**Transcript Title:** Earth System Modelling  
**Calendar Title:** Earth System Modelling.  
**Description:**  
Principal concepts of systems modelling related to earth system science and
environmental science. Students explore the ideas of state, stability, equilibria, feedbacks, and complexity using simple models.

Notes:
Winter
3 hours lecture
Prerequisite: ESYS 200 or ENVR 200 or equivalent.

Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

ESYS 480D1
Credit Weight: 3
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
Research project supervised by one or more staff members, with the results to be presented in the form of an undergraduate thesis.

Notes:
Restrictions: Registration in the Earth System Science Honours program.
Permission of instructor is required to take this course. A written proposal outlining the studies to be undertaken must be submitted to the undergraduate ESS Student Adviser by September 30 of the U3 year. The proposal will be reviewed by the Adviser. If approved the investigation will be supervised by one or more staff members, and the results will be presented in the form of an undergraduate thesis. The final written report will be worth at least 50% of the final grade. The grading scheme will be agreed upon between the supervisor(s) and student before approval of the ESS Student Adviser.
Students must register for both ESYS 480D1 and ESYS 480D2
No credits will be given for this course unless both ESYS 480D1 and ESYS 480D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active

ESYS 480D2
Credit Weight: 3
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
Research project supervised by one or more staff members, with the results to be presented in the form of an undergraduate thesis.

Notes:
Restrictions: Registration in the Earth System Science Honours program.
Permission of instructor is required to take this course. A written proposal outlining the studies to be undertaken must be submitted to the undergraduate ESS Student Adviser by September 30 of the U3 year. The proposal will be reviewed by the Adviser. If approved the investigation will be supervised by one or more staff members, and the results will be presented in the form of an undergraduate thesis. The final written report will be worth at least 50% of the final grade. The grading scheme will be agreed upon between the supervisor(s) and student before approval of the ESS Student Adviser.
Prerequisite: ESYS 480D1
No credits will be given for this course unless both ESYS 480D1 and ESYS 480D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active
ESYS 480N1

Credit Weight: 3

Transcript Title: Honours Research Project

Calendar Title: Honours Research Project.

Description:
Research project supervised by one or more staff members, with the results to be presented in the form of an undergraduate thesis.

Notes:
Restrictions: Registration in the Earth System Science Honours program. Permission of instructor is required to take this course. A written proposal outlining the studies to be undertaken must be submitted to the undergraduate ESS Student Adviser by September 30 of the U3 year. The proposal will be reviewed by the Adviser. If approved the investigation will be supervised by one or more staff members, and the results will be presented in the form of an undergraduate thesis. The final written report will be worth at least 50% of the final grade. The grading scheme will be agreed upon between the supervisor(s) and student before approval of the ESS Student Adviser. Students must also register for ESYS 480N2.

No credit will be given for this course unless both ESYS 480N1 and ESYS 480N2 are successfully completed in a twelve month period.

Administering Faculty: Faculty of Science

Teaching Department: Earth & Planetary Sciences

Status (catalog level): Active

ESYS 480N2

Credit Weight: 3

Transcript Title: Honours Research Project

Calendar Title: Honours Research Project.

Description:
See ESYS 480N1 for description.

Notes:
Restrictions: Registration in the Earth System Science Honours program. Permission of instructor is required to take this course. A written proposal outlining the studies to be undertaken must be submitted to the undergraduate ESS Student Adviser by September 30 of the U3 year. The proposal will be reviewed by the Adviser. If approved the investigation will be supervised by one or more staff members, and the results will be presented in the form of an undergraduate thesis. The final written report will be worth at least 50% of the final grade. The grading scheme will be agreed upon between the supervisor(s) and student before approval of the ESS Student Adviser. Prerequisite: ESYS 480N1

No credit will be given for this course unless both ESYS 480N1 and ESYS 480N2 are successfully completed in a twelve month period.

Administering Faculty: Faculty of Science

Teaching Department: Earth & Planetary Sciences

Status (catalog level): Active

ESYS 500

Credit Weight: 3

Transcript Title: Earth System Applications

Calendar Title: Earth System Applications.

Description:
Individual research projects that contribute to a group project that addresses one of the six scientific "Grand Challenges" crucial to humanity: global cycles (water and biogeochemical); climate variability and change; land use and land cover
change; energy and resources; earth hazards; earth-atmosphere observation, monitoring, analysis and prediction.

Notes:
Fall
3 hours seminar

Administering Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active
EXMD 401
Credit Weight: 3
Transcript Title: Physiology & Biochem Endocrin Sys
Calendar Title: Physiology and Biochemistry Endocrine Systems.
Description:
Offered in conjunction with the Department of Physiology. The course provides a basic knowledge of endocrine systems encompassing biosynthesis, metabolism and physiological actions of hormones. Specific topics covered are hormones of the hypothalamus, pituitary, adrenals, thyroids, parathyroids, pancreas, gut and the gonads. The role of hormones and growth factors in pregnancy and fetal development are also discussed.
Notes:
Winter
Prerequisite: BIOL 200 and BIOL 201
Administrating Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 501
Credit Weight: 3
Transcript Title: Clin App of Regenerative Med
Calendar Title: Clinical Applications of Regenerative Medicine.
Description:
Principles of stem cell translational research. Advanced training in the development of clinical applications of new technologies through rigorous clinical standards in different areas of regenerative medicine.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

EXMD 502
Credit Weight: 3
Transcript Title: Advanced Endocrinology 1
Calendar Title: Advanced Endocrinology 1.
Description:
This course is designed for U3 students who are in a major or honours program in anatomy, biology, biochemistry or physiology and for graduate students. A multidisciplinary approach will be used to teach biosynthesis and processing of hormones, their regulation, function and mechanism of action. The material will cover hypothalamic, pituitary, thyroid, atrial and adrenal hormones as well as prostaglandins and related substances.
Notes:
Fall
Administrating Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 503
Credit Weight: 3
Transcript Title: Advanced Endocrinology 02
Calendar Title: Advanced Endocrinology 02.
Description:
Study of the parathyroids, gut and pancreatic hormones and growth factors. In addition, the role of hormones and growth factors in reproduction and fetal maturation will be discussed.
Notes:
Winter
Administering Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 504
Credit Weight: 3
Transcript Title: Biology of Cancer
Calendar Title: Biology of Cancer.
Description:
An introduction to the biology of malignancy. A multidisciplinary approach dealing with the etiology of cancer, the biological properties of malignant cells, the host response to tumour cell growth and the principles of cancer therapy.
Notes:
Fall
Prerequisite (Undergraduate): A good knowledge of biology at the cellular and molecular level. Open to U3 and graduate students only
Administering Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 505
Credit Weight: 3
Transcript Title: Dir Read in Regenerative Med
Calendar Title: Directed Readings in Regenerative Medicine.
Description:
The literature pertaining to a proposed field of research involving stem cell biology and/or clinical translation will be explored in collaboration with an approved faculty mentor.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

EXMD 506
Credit Weight: 3
Transcript Title: Adv Appl Cardiovascular Physio
Calendar Title: Advanced Applied Cardiovascular Physiology.
Description:
Offered in conjunction with the Department of Physiology. Current topics, methods and techniques for studying the cardiovascular system. Basic and applied cardiac electrophysiology, mechanisms of pacemaker activity, arrhythmias, the effects of drugs on cardiac functions, fetal circulation, coronary circulation, mechanics of blood flow, cardiovascular diseases, renal and neural control of the circulation, and cardiac assist devices.
Notes:
Fall
Prerequisite: PHGY312 or PHGY 313 or permission of the instructors
Administering Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 507
Credit Weight: 3
Transcript Title: Adv Respiratory Physiology
Calendar Title: Advanced Applied Respiratory Physiology.
Description:
Offered in conjunction with the Department of Physiology. In depth coverage of
respiratory biology including: functional anatomy of the respiratory system, pulmonary statics and dynamics, chest wall and respiratory muscles, ventilation and perfusion, control of breathing, and defense mechanisms. This course is aimed at providing a solid grounding in pulmonary biology and its research applications.

Notes:
Fall
Prerequisite: PHGY 313

Administering Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 508
Credit Weight: 3
Transcript Title: Adv Topics in Respiration
Calendar Title: Advanced Topics in Respiration.
Description:
Offered in conjunction with the Department of Physiology. In depth coverage of developmental physiology, pulmonary vascular physiology, biology of airway smooth muscle, respiratory epithelium and molecular biology of respiratory muscles. Dyspnea, mechanical ventilation and respiratory failure will also be covered. This course emphasizes application of respiratory biology to basic and applied research and touches on pulmonary pathophysiology.

Notes:
Winter
Prerequisite: EXMD 507

Administering Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 509
Credit Weight: 3
Transcript Title: Gastro Phys & Pathophysiology
Calendar Title: Gastrointestinal Physiology and Pathology.
Description:
Course deals with various aspects of gastrointestinal and hepatic function in health and altered physiological states. The principal focus is on the recent literature pertaining to cell and molecular mechanisms underlying the motility secretory process, absorption and secretion. The molecular biology of the hepatic viruses and various aspects of colonic neoplasia will also be considered.

Notes:
Fall and Winter
Prerequisite: Graduate students, U3 undergraduates

Administering Faculty: Faculty of Science
Teaching Department: Medicine
Status (catalog level): Active

EXMD 510
Credit Weight: 3
Transcript Title: Bioanalytical Separation Meth
Calendar Title: Bioanalytical Separation Methods.
Description:
The student will be taught the capabilities and limitations of modern separation methods (gas and high-performance liquid chromatography, capillary electrophoresis, hyphenated techniques). Application of these techniques to solve analytical problems relevant to biomedical research will be emphasized, with special attention being paid to the processing of biological samples.

Notes:
Fall

**Administering Faculty**: Faculty of Science

**Teaching Department**: Medicine

**Status (catalog level)**: Active

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**EXMD 511**

**Credit Weight**: 3

**Transcript Title**: Joint Venturing with Industry

**Calendar Title**: Joint Venturing with Industry.

**Description**: Using problem-based learning, the course examines the various business interactions between researchers and their business partners in support and development of research into commercial endeavours using models such as venture capital, business partnerships, or grants-in-aid.

**Notes**:

Winter

Offered in conjunction with the Centre for Continuing Education

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**EXMD 521**

**Credit Weight**: 3

**Transcript Title**: Cmptl Mthds Single-Cell Analyt

**Calendar Title**: Computational Methods Single-Cell Analytics.

**Description**: Computational methods (particularly machine learning methods) for various single-cell data analysis, modelling, and visualization tasks that could drive novel biomedical discoveries, focusing on ¿real-world¿ biomedical applications.

**Notes**:

Prerequisites: MATH 203, MATH 223, MATH 323, one course in computer programming and additional background in Calculus and Probability is required (e.g., MATH 222, MATH 204), or permission of the instructor.

Restrictions: Not open to students who have taken or are taking BMDE 521.

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**EXMD 600**

**Credit Weight**: 3

**Transcript Title**: Principles of Clinical Resrch

**Calendar Title**: Principles of Clinical Research.

**Description**: Foundations for conducting clinical research including the principles underlying clinical studies, an overview of key methods in clinical research and the critical interpretation of peer-reviewed literature.

**Notes**:

There are no set prerequisites, but it is expected that the student will have some background in mathematics; understanding functions and basic algebra is essential.

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**EXMD 601**

**Credit Weight**: 3
Transcript Title: RealWorldAppsofDataSci&Infrcs
Calendar Title: Real World Applications of Data Science and Informatics.
Description: Training in practical applications of health care data science.
Notes: Prerequisites: EDPE 575, EPIB 507 or EXMD 634 or equivalent; EPIB 600, EXMD 642 or equivalent; or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 602
Credit Weight: 3
Transcript Title: Techniques in Molec Genetics
Calendar Title: Techniques in Molecular Genetics.
Description: Precise description of available methods in molecular genetics, and rationales for choosing particular techniques to answer questions posed in research proposals for targeting genes in the mammalian genome. Emphasis placed on analysis of regulation of gene expression and mapping, strategies for gene cloning. Course divided between lectures and student seminars.
Notes: Offered in conjunction with the Department of Experimental Medicine.
Prerequisite (Graduate): Admission by permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 603
Credit Weight: 3
Transcript Title: Seminars in Endocrinology
Calendar Title: Seminars in Endocrinology.
Description: For graduate students to develop skills in critical reading of current literature, interpretation of research data, and seminar organization and presentation. Staff suggest topics. Each student presents two seminars on topics of their choice, supervised by professors responsible for those topics, and one mini-symposium style presentation on any topic.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 604
Credit Weight: 3
Transcript Title: Recent Advces: Cell&Mol Biol 1
Calendar Title: Recent Advances in Cellular and Molecular Biology 1.
Description: Recent aspects of cell and molecular biology, including cellular organelle structure and function, molecular genetics, gene expression regulation, DNA replication and protein trafficking.
Notes: Restriction: Not open to students who have taken EXMD 604D1/D2.
Offered in conjunction with the Université de Montréal: given Thursdays 16:00-18:00 at the Institut de Recherches Cliniques de Montréal, 110 Pine West. The course is bilingual with abstracts in the other language supplied; more than half the lectures are in French.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 605
Credit Weight: 3
Transcript Title: Recent Advces: Cell&Mol Biol 2
Calendar Title: Recent Advances in Cellular and Molecular Biology 2.
Description:
Recent aspects of cell and molecular biology, including signal transduction, cell
growth and development, and immunology.
Notes:
Restriction: Not open to students who have taken EXMD 604D1/D2.
Offered in conjunction with the Université de Montréal: given Thursdays
16:00-18:00 at the Institut de recherches cliniques de Montréal, 110 Pine West.
The course is mostly in English, but some lectures may be in French.

EXMD 607
Credit Weight: 3
Transcript Title: Molec Control of Cell Growth
Calendar Title: Molecular Control of Cell Growth.
Description:
A course for graduate students in Experimental Medicine, Biology, Biochemistry,
Microbiology and Physiology, dealing with molecular control in normal and
malignant cell growth, including cell cycle and physiological controls
(nutritional and hormonal), mammalian DNA replication, viral effects on host cell
growth for DNA and RNA-tumour viruses and oncogenes, and tissue and organ
growth-renewal mechanisms.

EXMD 608
Credit Weight: 3
Transcript Title: Molecular Embryology
Calendar Title: Molecular Embryology.
Description:
Modern molecular approaches in animal embryogenesis, with emphasis on embryonic
patterning, organogenesis, and cell-cell communication.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite: Students must come with a solid background in molecular biology.
Offered in conjunction with the Department of Oncology

EXMD 609
Credit Weight: 3
Transcript Title: Cellular Meths in Med Research
Calendar Title: Cellular Methods in Medical Research.
Description:
Different cellular methods used in biomedical research, including spectroscopic,
microscopic and immunological techniques as well as statistics. Lectures, some demonstrations by faculty as well as short seminars given by the students.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 610
Credit Weight: 3
Transcript Title: Molecular Meths in Medical Res
Calendar Title: Molecular Methods in Medical Research.
Description:
Different molecular methods used in biomedical research, including chromatography, purification and analysis of proteins and nucleic acids, various techniques in molecular biology, transgenic technology, and stem cells. Lectures, some demonstrations, and short seminars given by the students.

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 611D1
Credit Weight: 3
Transcript Title: Seminars in Oncology
Calendar Title: Seminars in Oncology.
Description:
A course in cancer and allied fields aimed at familiarizing students with the current literature relevant to the biology of cancer, developing their critical abilities and providing an opportunity for presenting seminars to their peers.
Symbols: ALTY - Taught in alternate years
Notes:
Students must register for both EXMD 611D1 and EXMD 611D2
No credit will be given for this course unless both EXMD 611D1 and EXMD 611D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 611D2
Credit Weight: 3
Transcript Title: Seminars in Oncology
Calendar Title: Seminars in Oncology.
Description:
See EXMD 611D1 for course description.
Notes:
Prerequisite: EXMD 611D1
No credit will be given for this course unless both EXMD 611D1 and EXMD 611D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 614
Credit Weight: 3
Transcript Title: Environmental Carcinogenesis
Calendar Title: Environmental Carcinogenesis.
Description:
Methods for identification of carcinogens, including epidemiological studies,
animal modelling and molecular biomarkers, and characteristics of known environmental carcinogens (viruses, chemical and physical agents and diet). Environmental factors will be placed in the context of overall cancer risk, which involves interaction of genetics, host and environment.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**EXMD 615**
*Credit Weight:* 3  
*Transcript Title:* Essentials of Glycobiology  
*Calendar Title:* Essentials of Glycobiology.  
*Description:*  
Examination of the structure, function, and biosynthesis of glycoproteins, glycolipids and glycosaminoglycans, and the biological role of complex carbohydrates. Lectins, methods for elucidating carbohydrate structure, glycomics, and human diseases due to disorders of glycan synthesis.  
*Notes:* Winter  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**EXMD 616**
*Credit Weight:* 3  
*Transcript Title:* Molecular & Cell Biology Topics  
*Calendar Title:* Molecular and Cell Biology Topics.  
*Description:*  
Structured and instructor-directed student presentations and discussions of recent advances in molecular and cellular biology. The course will reinforce the students' knowledge of currently major areas of investigation, with a focus on human disease and medical applications. Important recent publications will extend material from textbook and review articles.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**EXMD 617**
*Credit Weight:* 1  
*Transcript Title:* Workshop in Clinical Trials 1  
*Calendar Title:* Workshop in Clinical Trials 1.  
*Description:*  
Intensive day-long workshop discussing Industrial/Academic/Governmental interactions in the design, testing and approval of drugs.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**EXMD 618**
*Credit Weight:* 1  
*Transcript Title:* Workshop in Clinical Trials 2  
*Calendar Title:* Workshop in Clinical Trials 2.  
*Description:*  
Intensive day-long workshop discussing the role of the physician in drug testing.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Medicine  
**Status (catalog level):** Active
EXMD 619
Credit Weight: 1
Transcript Title: Workshop: Clinical Trials 3
Calendar Title: Workshop in Clinical Trials 3.
Description: Intensive day-long workshop discussing the pharmacoeconomics of drug design and testing.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 620
Credit Weight: 1
Transcript Title: Clinical Trials and Research 1
Calendar Title: Clinical Trials and Research 1.
Description: Intensive day-long workshop discussing a topical subject or recent advance relevant to clinical research and the conduct of clinical trials.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 621
Credit Weight: 3
Transcript Title: Seminars in Biomed Research 1
Calendar Title: Seminars in Biomedical Research 1.
Description: Seminars in biomedical research.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 622
Credit Weight: 3
Transcript Title: Seminars in Biomed Research 2
Calendar Title: Seminars in Biomedical Research 2.
Description: Seminars in biomedical research.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 624
Credit Weight: 3
Transcript Title: Seminars in Biomed Research 4
Calendar Title: Seminars in Biomedical Research 4.
Description: Seminars in biomedical research.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 625
Credit Weight: 1
Transcript Title: Clinical Trials & Research 2
Calendar Title: Clinical Trials and Research 2.
Description: Intensive day-long workshop discussing a topical subject or recent advance relevant to clinical research and the conduct of clinical trials.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 626
Credit Weight: 1
Transcript Title: Clinical Trials & Research 3
Calendar Title: Clinical Trials and Research 3.
Description: Intensive day-long workshop discussing a topical subject or recent advance relevant to clinical research and the conduct of clinical trials.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 627
Credit Weight: 18
Transcript Title: Practicum in Clinical Research
Calendar Title: Practicum in Clinical Research.
Description: Six-step program: 1. Identification of the problem; 2. Experimental design; 3. Protocol development; 4. Execution of the protocol; 5. Data analysis; 6. Generation of final report with active "clerkship" participation in each component with team leaders and experts designated for each stage.
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 627D1
Credit Weight: 9
Transcript Title: Practicum in Clinical Research
Calendar Title: Practicum in Clinical Research.
Description: Six-step program: 1. Identification of the problem; 2. Experimental design; 3. Protocol development; 4. Execution of the protocol; 5. Data analysis; 6. Generation of final report with active "clerkship" participation in each component with team leaders and experts designated for each stage.
Notes: Students must register for both EXMD 627D1 and EXMD 627D2
No credit will be given for this course unless both EXMD 627D1 and EXMD 627D2 are successfully completed in consecutive terms
EXMD 627D1 and EXMD 627D2 together are equivalent to EXMD 627
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 627D2
Credit Weight: 9
Transcript Title: Practicum in Clinical Research
Calendar Title: Practicum in Clinical Research.
Description: See EXMD 627D1 for course description.
Notes:
Prerequisite: EXMD 627D1
No credit will be given for this course unless both EXMD 627D1 and EXMD 627D2 are successfully completed in consecutive terms.
EXMD 627D1 and EXMD 627D2 together are equivalent to EXMD 627

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 629
Credit Weight: 3
Transcript Title: Reproductive Medicine and ART
Calendar Title: Reproductive Medicine and Assisted Reproductive Technology.
Description:
Recent advances in reproductive medicine and assisted reproductive technologies (ART).
Notes:
Prerequisite: Permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 630
Credit Weight: 3
Transcript Title: DevlgDgtlInnovs for HlthImpact
Calendar Title: Developing Digital Innovations for Health Impact.
Description:
Advanced innovative thinking, knowledge and skills that will aid in the development of innovative digital health solutions. It will integrate mind mapping strategies, design thinking, and usability evaluations that form the core of developing and refining an innovative digital health solution aimed to solve a well-defined clinical/public health problem.
Notes:
Restriction: Permission of the instructor

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 632
Credit Weight: 3
Transcript Title: Rec Adv in Virol&Antivir Ther
Calendar Title: Recent Advances in Virology and Antiviral Therapeutics.
Description:
This course will explore the latest developments in virology, identify emerging viral pathogens and provide up-to-date concepts for anti-viral therapies.
Notes:
Recommended for all graduate students in molecular and cellular biology, biochemistry, bacteriology, immunology, virology and clinical research.

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 633
Credit Weight: 3
Transcript Title: Clin Aspects Res Resp Diseases
Calendar Title: Clinical Aspects of Research in Respiratory Diseases.
**Description:**
Clinical aspects, epidemiology and burden of major respiratory conditions; key concepts of clinical and epidemiologic research in respiratory diseases. Specific conditions addressed include asthma, chronic obstructive pulmonary disease, cystic fibrosis, tuberculosis, pneumonia, adult respiratory distress syndrome, interstitial and pulmonary vascular diseases.

**Notes:**
Restriction: Must be registered for graduate or postdoctoral studies in the Faculty of Medicine or the Faculty of Science.

The course uses primarily a Web-based learning format. There are eight two-week modules, each devoted to a specific respiratory topic or condition, with slides, readings, and a brief written assignment. Each module is taught by a faculty member with specific expertise in that topic, with one face-to-face meeting per module (~2 hours) to review key concepts, answer questions, and foster critical discussion around the topic of interest. There is a final essay, requiring a more in-depth approach to one of the major subjects covered during the course.

Clinical background is not required.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Medicine

**Status (catalog level):** Active

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**EXMD 634**

**Credit Weight:** 3

**Transcript Title:** Quantitative Research Methods

**Calendar Title:** Quantitative Research Methods.

**Description:**
Topics covered include: 1) An overview of common research designs based on examples from research currently undertaken in the Division of Experimental Medicine; 2) Types of data arising from these designs; 3) Basic methods for data analysis; and 4) Application of these methods to student research projects.

**Notes:**
Restriction: Must be registered for graduate or postdoctoral studies in the Faculty of Medicine or the Faculty of Science.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Medicine

**Status (catalog level):** Active

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**EXMD 635D1**

**Credit Weight:** 3

**Transcript Title:** Experimental/Clinical Oncology

**Calendar Title:** Experimental/Clinical Oncology.

**Description:**
The course will deal, on a site by site basis, with the incidence of cancer, present treatment, treatment outcome, underlying causes, current research and directions for development of new treatments. Chemotherapy, surgery, radiation therapy and nutrition as therapy and treatment of cancer will be included.

**Notes:**
Prerequisite: Students must request permission from the instructor.

Students must register for both EXMD 635D1 and EXMD 635D2

No credit will be given for this course unless both EXMD 635D1 and EXMD 635D2 are successfully completed in consecutive terms

Previous solid knowledge in biochemistry and molecular biology required. Students will be required to write a long essay and give an oral presentation.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Medicine

**Status (catalog level):** Active
EXMD 635D2
Credit Weight: 3
Transcript Title: Experimental/Clinical Oncology
Calendar Title: Experimental/Clinical Oncology.
Description: See EXMD 635D1 for course description.
Notes: Prerequisite: EXMD 635D1 and permission from the instructor.
Students must register for both EXMD 635D1 and EXMD 635D2
No credit will be given for this course unless both EXMD 635D1 and EXMD 635D2 are successfully completed in consecutive terms
Previous solid knowledge in biochemistry and molecular biology required. Students will be required to write a long essay and give an oral presentation.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 636
Credit Weight: 3
Transcript Title: Fundls of Res: Shapng&Situ Res
Calendar Title: Fundamentals of Research: Shaping and Situating Research.
Description: Introduction to foundational principles of science and experience in relating the core assumptions and purposes of research to a broad audience. Combines theory, science writing, science communication, research design and dissemination adapted to research context. Covers topics ranging from the role of science, the construction and effective communication of a research question, the merits of different approaches to research, roles and responsibilities of scientists.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 640
Credit Weight: 3
Transcript Title: Experimental Medicine Topic 1
Calendar Title: Experimental Medicine Topic 1.
Description: Study, through guided reading, visits, practicals, assignments, of an elected and approved topic of importance in medical science.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 641
Credit Weight: 3
Transcript Title: Experimental Medicine Topic 2
Calendar Title: Experimental Medicine Topic 2.
Description: Study, through guided reading, visits, practicals, assignments, of an elected and approved topic of importance in medical science.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 642
Credit Weight: 3
Transcript Title: Experimental Med Topic 3
Calendar Title: Experimental Medicine Topic 3.
Description:
Study, through guided reading, visits, practicals, assignments, of an elected and approved topic of importance in medical science.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 647
Credit Weight: 3
Transcript Title: Epigenetics and Cancer
Calendar Title: Epigenetics and Cancer.
Description:
Exploration of the field of epigenetics and its relevance to cancer, including modern methods used to study epigenetics.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 670
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 1
Calendar Title: Principles of Environmental Health Sciences.
Description:
Topics in environmental health sciences: principles of exposure assessment and of toxicology.
Notes:
Restriction(s): Open to graduate students pursuing a career in Environmental Health Sciences or with permission of the instructor. Not open to students who have taken or are taking EPIB 684 or NRSC 670 or PHAR 670.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 671
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 2
Calendar Title: Principles of Environmental Health Sciences 2.
Description:
Topics in environmental health sciences: principles of environmental epidemiology.
Notes:
Restriction(s): Open to graduate students in the Environmental Health Sciences or permission of the instructor. Not open to students who have taken or are taking EPIB 685 or NRSC 671 or PHAR 671.
Administrating Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 690
Credit Weight: 3
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor and the
Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 691
Credit Weight: 6
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

EXMD 692
Credit Weight: 9
Transcript Title: Master's Thesis Research 3
Calendar Title: Master's Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

EXMD 693
Credit Weight: 12
Transcript Title: Master's Thesis Research 4
Calendar Title: Master's Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

EXMD 694
Credit Weight: 12
Transcript Title: Master's Thesis Research 5
Calendar Title: Master's Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

EXMD 701
Credit Weight: 0
Transcript Title: Comprehensive Oral Examination
Calendar Title: Comprehensive Oral Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 701D1
Credit Weight: 0
Transcript Title: Comprehensive Oral Examination
Calendar Title: Comprehensive Oral Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Students must register for both EXMD 701D1 and EXMD 701D2
No credit will be given for this course unless both EXMD 701D1 and EXMD 701D2 are successfully completed in consecutive terms
EXMD 701D1 and EXMD 701D2 together are equivalent to EXMD 701
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active

EXMD 701D2
Credit Weight: 0
Transcript Title: Comprehensive Oral Examination
Calendar Title: Comprehensive Oral Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Prerequisite: EXMD 701D1
No credit will be given for this course unless both EXMD 701D1 and EXMD 701D2 are successfully completed in consecutive terms
EXMD 701D1 and EXMD 701D2 together are equivalent to EXMD 701
Administering Faculty: Graduate Studies
Teaching Department: Medicine
Status (catalog level): Active
EXSU 500
Credit Weight: 3
Transcript Title: AI in Medicine
Calendar Title: Artificial Intelligence in Medicine.
Description:
Introduction to artificial intelligence (AI) applied to issues in medical diagnosis, therapy selection and learning from health data. Various AI methods, electronic medical records, and ethical/security concerns. Machine learning approaches including deep learning and reinforcement learning without delving too deeply into the technical details.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active

EXSU 501
Credit Weight: 6
Transcript Title: Medical Technology Internship1
Calendar Title: Medical Technology Internship 1.
Description:
This is a 6-weeks/37.5 hour per week internship course where students undertake a significant experiential learning opportunity through direct observation, reflection and evaluation with a variety of medical, medical education, medical research and healthcare sectors. The course starts with an orientation session and concludes with a debrief session and generation of a professional skills development plan. This course complements and is followed by a second 6-week internship - EXSU 502 which allows students to change hosts and receive targeted training in communication and management.
Notes:
Prerequisite: Written approval from student Supervisor submitted to the course coordinator
Restriction(s): Open to all students in the basic and biomedical sciences. This includes the following programs: Experimental Surgery; Experimental Medicine; Biomedical Engineering; graduate programs in the Faculty of Engineering; graduate programs in the Faculty of Science. Graduate students must have written approval from their Supervisor submitted to the course coordinator. International students are eligible to be enrolled in the course. It is the students' responsibility to ensure their visa enables them to engage in the internship.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active

EXSU 502
Credit Weight: 6
Transcript Title: Medical Technology Internship2
Calendar Title: Medical Technology Internship 2.
Description:
This is a 6-weeks/37.5 hour per week internship course where students undertake a significant experiential learning opportunity through direct observation, reflection and evaluation with a variety of medical, medical education, medical research and healthcare sectors. The course starts with an orientation session followed by an intense advanced workshop (15 hours) in communication and management and concludes with a debrief session and generation of a professional skills development plan. This course complements the EXSU 501 and allows students to change hosts and receive targeted training in communication and management.
Notes:
Prerequisite: EXSU 501 and written approval from student Supervisor submitted to the course coordinator
Restriction(s): Open to all students in the basic and biomedical sciences. This includes the following programs: Experimental Surgery; Experimental Medicine; Biomedical Engineering; graduate programs in the Faculty of Engineering; graduate programs in the Faculty of Science. Graduate students must have written approval from their Supervisor submitted to the course coordinator. International students are eligible to be enrolled in the course. It is the students' responsibility to ensure their visa enables them to engage in the internship.

**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Surgery  
**Status (catalog level):** Active

### EXSU 505

**Credit Weight:** 3  
**Transcript Title:** Trends in Precision Oncology  
**Calendar Title:** Trends in Precision Oncology.  
**Description:** Introduction to the emerging paradigms in cancer detection, management and treatment.  
**Notes:** Restriction(s): Open to all students in the Faculty of Medicine but priority will be given to students in the Department of Surgery and the Department of Oncology if the number of registered students exceeds the projected enrolment.

**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Surgery  
**Status (catalog level):** Active

### EXSU 601

**Credit Weight:** 3  
**Transcript Title:** Knowledge Management 1  
**Calendar Title:** Knowledge Management 1.  
**Description:** Critical elements required for the preparation and evaluation of abstracts and full-length manuscripts.  
**Notes:** 3 hours/week. Compulsory for students in the Department of Surgery and available to others by permission of the coordinators. Restriction: Not open to students who have taken EXSU 601, 601D1/D2, 601N1/N2 prior to Fall 2019.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Surgery  
**Status (catalog level):** Active

### EXSU 602

**Credit Weight:** 3  
**Transcript Title:** Knowledge Management 2  
**Calendar Title:** Knowledge Management 2.  
**Description:** Critical elements required for the creation and delivery of digital slide presentations.  
**Notes:** 3 hours/week  Compulsory for students in the Department of Surgery and available to others by permission of the coordinators Restriction: Not open to students who have taken EXSU 601, 601D1/D2, 601N1/N2 prior to Fall 2019.
ExSU 603
Credit Weight: 3
Transcript Title: Surgical Education Foundations
Calendar Title: Surgical Education Foundations.
Description:
Critical overview of key educational and educational psychology theories and assessment principles to guide surgical education. Different surgical education environments analyzed and evaluated using theory, empirical evidence, and assessment practices.
Notes:
Since course is interactive, enrollment is capped at 12.

ExSU 605
Credit Weight: 3
Transcript Title: Biomedical Research Innovation
Calendar Title: Biomedical Research Innovation.
Description:
Introduction to the novel and/or emerging technologies in the field of biomedical research.
Notes:
2 hours/week
Compulsory for students in the Department of Surgery and available to others by permission of the coordinators

ExSU 606
Credit Weight: 3
Transcript Title: Stats for Surgical Research
Calendar Title: Statistics for Surgical Research.
Description:
Review of statistics for surgical research.
Notes:
2 hours/week
Compulsory for students in the Department of Surgery and available to others by permission of the coordinators

ExSU 610
Credit Weight: 3
Transcript Title: Surgical Outcomes Res Fndns
Calendar Title: Surgical Outcomes Research Foundations.
Description:
Comprehensive overview of strategies to measure and improve outcomes after surgery. Traditional and modern approaches to measure surgical outcomes, including clinician-reported, patient-reported and performance-based outcome measures.
Contemporary strategies to improve postoperative recovery; topics include minimally invasive surgery (laparoscopic, robotic), enhanced recovery pathways and prehabilitation.

Notes:
3 hours/week.
Students will be required to attend mandatory visits to surgical outcomes research labs at McGill.
Language of instruction: English
Restrictions: Open to students enrolled in the M.Sc. in Experimental Surgery; Surgical Outcomes Research program. Other students require permission of the instructors.
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 619
Credit Weight: 3
Transcript Title: The Hospital Environment
Calendar Title: The Hospital Environment.
Description:
The process of surgical innovation and hands-on skills necessary to work within a multi-disciplinary team in the creation of a novel, need driven, and marketable prototype used in the care of the surgical patient. This is second of a 3 part course introducing concepts and performing needs analyses focusing on the hospital environment and the close contact with its structure and patients.
Notes:
Corequisite: EXSU 620
Prerequisite(s): Permission of instructor.
Restriction: Course requires entry to surgical theatre; this is subject to hospital approval.
1) Students may be subject to interview.
2) Language of instruction: English, French available.
3) Minimum number 6, maximum 30
4) Subject to completion of medical/immunization record.
5) Professional conduct and dress required at all times in hospital visits when in potential contact with patients.
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 620
Credit Weight: 3
Transcript Title: Surgical Innovation 1
Calendar Title: Surgical Innovation 1.
Description:
The process of surgical innovation and acquisition of hands-on skills necessary to work within a multi-disciplinary team in the creation of a novel, need driven, and marketable prototype used in the care of the surgical patient. This is the first of a 3 part course introducing concepts and performing needs analyses.
Notes:
Corequisite(s): EXSU 619
Prerequisite(s): Permission of instructors.
Restriction(s): Course requires entry to surgical theatre; this is subject to hospital approval.
1) Students may be subject to interview.
2) Contact hours 46.5, 31.5 hours lectures, 15 hours workshops and hospital visits.
3) Language of instruction: English, French available.
4) Minimum number 6, maximum 30
5) Subject to completion of medical requirements/immunization record.
6) Professional conduct and dress required at all times in hospital visits when in potential contact with patients.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 621**

**Credit Weight:** 3

**Transcript Title:** Surgical Innovation 2

**Calendar Title:** Surgical Innovation 2.

**Description:**
This course builds on key concepts and needs screening delivered and generated in EXSU 620 to develop hands-on skills necessary to work within a multi-disciplinary team in the creation of a novel, need driven, and marketable prototype used in the care of the surgical patient.

**Notes:**
Prerequisite(s): EXSU 620
Restriction(s): Course requires entry to surgical theatre, this is subject to hospital approval.
Students may be subject to interview.
Contact hours 47 consisting of 23 hours lectures, 24 hours hospital visits and presentation.
Language of instruction: English, French available.
Minimum number 6, maximum 20.
Subject to completion of medical requirements/immunization record.
Professional conduct and dress required at all times in hospital visits when in potential contact with patients.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 622D1**

**Credit Weight:** 6

**Transcript Title:** Surgery Research Project 1

**Calendar Title:** Surgery Research Project 1.

**Description:**
Immersion into a specific research area and completion of a project. Students will learn to develop a project and to demonstrate skills essential for analysis, evaluation and project management.

**Notes:**
Prerequisite(s): Permission of instructors.
Students must also register for EXSU 622D2
No credit will be given for this course unless both EXSU 622D1 and EXSU 622D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 622D2**

**Credit Weight:** 6

**Transcript Title:** Surgery Research Project 1

**Calendar Title:** Surgery Research Project 1.

**Description:**
Immersion into a specific research area and completion of a project. Students will learn to develop a project and to demonstrate skills essential for analysis, evaluation and project management.

Notes:
Prerequisite(s): EXSU 622D1 and Permission of instructors.
No credit will be given for this course unless both EXSU 622D1 and EXSU 622D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 622N1
Credit Weight: 6
Transcript Title: Surgery Research Project 1
Calendar Title: Surgery Research Project 1.
Description: Immersion into a specific research area and completion of a project. Students will learn to develop a project and to demonstrate skills essential for analysis, evaluation and project management.

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 622N2
Credit Weight: 6
Transcript Title: Surgery Research Project 1
Calendar Title: Surgery Research Project 1.
Description: Immersion into a specific research area and completion of a project. Students will learn to develop a project and to demonstrate skills essential for analysis, evaluation and project management.

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 623
Credit Weight: 6
Transcript Title: Surgery Research Project 2
Calendar Title: Surgery Research Project 2.
Description: Immersion into a specific research area and completion of a short project. Students will learn to develop a project and to demonstrate skills essential for analysis, evaluation and project management.

Notes:
Prerequisite(s): Permission of instructors.

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 630
Credit Weight: 3
Transcript Title: Medical & Simulation Technologies
Calendar Title: Medical and Simulation Technologies.
Description: A critical overview of the defining characteristics and objectives of several types of medical and simulation technologies relevant for enhancing medical and
surgical education, including foundational principles that guide the design, implementation, and evaluation of these tools.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 637**

**Credit Weight:** 9

**Transcript Title:** Research Project

**Calendar Title:** Research Project.

**Description:**

Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 637D1**

**Credit Weight:** 4.5

**Transcript Title:** Research Project

**Calendar Title:** Research Project.

**Description:**

Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.

**Notes:**

Students must register for both EXSU 637D1 and EXSU 637D2

No credit will be given for this course unless both EXSU 637D1 and EXSU 637D2 are successfully completed in consecutive terms

EXSU 637D1 and EXSU 637D2 together are equivalent to EXSU 637

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 637D2**

**Credit Weight:** 4.5

**Transcript Title:** Research Project

**Calendar Title:** Research Project.

**Description:**

Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.

**Notes:**

Prerequisite: EXSU 637D1

No credit will be given for this course unless both EXSU 637D1 and EXSU 637D2 are successfully completed in consecutive terms

EXSU 637D1 and EXSU 637D2 together are equivalent to EXSU 637

**Administering Faculty:** Graduate Studies

**Teaching Department:** Surgery

**Status (catalog level):** Active

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**EXSU 684**

**Credit Weight:** 3

**Transcript Title:** Signal Transduction

**Calendar Title:** Signal Transduction.

**Description:**

A study of signal transduction.

**Notes:**

2 hours/week
Restriction: Open to graduate students with prerequisites and U3 undergraduates with special permission

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 690
Credit Weight: 4
Transcript Title: M.Sc. Research 1
Calendar Title: M.Sc. Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 690D1
Credit Weight: 2
Transcript Title: M.Sc. Research 1
Calendar Title: M.Sc. Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: Students must register for both EXSU 690D1 and EXSU 690D2
No credit will be given for this course unless both EXSU 690D1 and EXSU 690D2 are successfully completed in consecutive terms
EXSU 690D1 and EXSU 690D2 together are equivalent to EXSU 690
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 690D2
Credit Weight: 2
Transcript Title: M.Sc. Research 1
Calendar Title: M.Sc. Research 1.
Description: See EXSU 690D1 for course description.
Notes: Prerequisite: EXSU 690D1
No credit will be given for this course unless both EXSU 690D1 and EXSU 690D2 are successfully completed in consecutive terms
EXSU 690D1 and EXSU 690D2 together are equivalent to EXSU 690
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 690N1
Credit Weight: 2
Transcript Title: M.Sc. Research 1
Calendar Title: M.Sc. Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes:
Students must also register for EXSU 690N2
No credit will be given for this course unless both EXSU 690N1 and EXSU 690N2 are successfully completed in a twelve month period
EXSU 690N1 and EXSU 690N2 together are equivalent to EXSU 690
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 690N2
Credit Weight: 2
Transcript Title: M.Sc. Research 1
Calendar Title: M.Sc. Research 1.
Description:
See EXSU 690N1 for course description.
Notes:
Prerequisite: EXSU 690N1
No credit will be given for this course unless both EXSU 690N1 and EXSU 690N2 are successfully completed in a twelve month period
EXSU 690N1 and EXSU 690N2 together are equivalent to EXSU 690
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 691
Credit Weight: 4
Transcript Title: M.Sc. Research 2
Calendar Title: M.Sc. Research 2.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 691D1
Credit Weight: 2
Transcript Title: M.Sc. Research 2
Calendar Title: M.Sc. Research 2.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes:
Students must register for both EXSU 691D1 and EXSU 691D2
No credit will be given for this course unless both EXSU 691D1 and EXSU 691D2 are successfully completed in consecutive terms
EXSU 691D1 and EXSU 691D2 together are equivalent to EXSU 691
Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 691D2
Credit Weight: 2
Transcript Title: M.Sc. Research 2
Calendar Title: M.Sc. Research 2.
**Description:**
See EXSU 691D1 for course description.

**Notes:**
Prerequisite: EXSU 691D1
No credit will be given for this course unless both EXSU 691D1 and EXSU 691D2 are successfully completed in consecutive terms.
EXSU 691D1 and EXSU 691D2 together are equivalent to EXSU 691.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Surgery
**Status (catalog level):** Inactive

**EXSU 691N1**
**Credit Weight:** 2
**Transcript Title:** M.Sc. Research 2
**Calendar Title:** M.Sc. Research 2.
**Description:**
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

**Notes:**
Students must also register for EXSU 691N2
No credit will be given for this course unless both EXSU 691N1 and EXSU 691N2 are successfully completed in a twelve month period.
EXSU 691N1 and EXSU 691N2 together are equivalent to EXSU 691.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Surgery
**Status (catalog level):** Inactive

**EXSU 691N2**
**Credit Weight:** 2
**Transcript Title:** M.Sc. Research 2
**Calendar Title:** M.Sc. Research 2.
**Description:**
See EXSU 691N1 for course description.

**Notes:**
Prerequisite: EXSU 691N1
No credit will be given for this course unless both EXSU 691N1 and EXSU 691N2 are successfully completed in a twelve month period.
EXSU 691N1 and EXSU 691N2 together are equivalent to EXSU 691.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Surgery
**Status (catalog level):** Inactive

**EXSU 692**
**Credit Weight:** 4
**Transcript Title:** M.Sc. Research 3
**Calendar Title:** M.Sc. Research 3.
**Description:**
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

**Notes:**
**Administering Faculty:** Graduate Studies
**Teaching Department:** Surgery
**Status (catalog level):** Active

**EXSU 692D1**
**Credit Weight:** 2
Transcript Title: M.Sc. Research 3
Calendar Title: M.Sc. Research 3.

Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Students must register for both EXSU 692D1 and EXSU 692D2
No credit will be given for this course unless both EXSU 692D1 and EXSU 692D2 are successfully completed in consecutive terms
EXSU 692D1 and EXSU 692D2 together are equivalent to EXSU 692

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 692D2
Credit Weight: 2

Transcript Title: M.Sc. Research 3
Calendar Title: M.Sc. Research 3.

Description:
See EXSU 692D1 for course description.

Notes:
Prerequisite: EXSU 692D1
No credit will be given for this course unless both EXSU 692D1 and EXSU 692D2 are successfully completed in consecutive terms
EXSU 692D1 and EXSU 692D2 together are equivalent to EXSU 692

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 692N1
Credit Weight: 2

Transcript Title: M.Sc. Research 3
Calendar Title: M.Sc. Research 3.

Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Students must also register for EXSU 692N2
No credit will be given for this course unless both EXSU 692N1 and EXSU 692N2 are successfully completed in a twelve month period
EXSU 692N1 and EXSU 692N2 together are equivalent to EXSU 692

Administering Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive

EXSU 692N2
Credit Weight: 2

Transcript Title: M.Sc. Research 3
Calendar Title: M.Sc. Research 3.

Description:
See EXSU 692N1 for course description.

Notes:
Prerequisite: EXSU 692N1
No credit will be given for this course unless both EXSU 692N1 and EXSU 692N2 are successfully completed in a twelve month period
EXSU 692N1 and EXSU 692N2 together are equivalent to EXSU 692
<table>
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<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSU 693</td>
<td>18</td>
<td>M.Sc. Thesis</td>
<td>M.Sc. Thesis</td>
<td>Written and oral presentation of thesis proposal to the research Supervisory Committee.</td>
<td>Students must register for both EXSU 693D1 and EXSU 693D2. No credit will be given for this course unless both EXSU 693D1 and EXSU 693D2 are successfully completed in consecutive terms. EXSU 693D1 and EXSU 693D2 together are equivalent to EXSU 693.</td>
</tr>
<tr>
<td>EXSU 693D1</td>
<td>9</td>
<td>M.Sc. Thesis</td>
<td>M.Sc. Thesis</td>
<td>Written and oral presentation of thesis proposal to the research Supervisory Committee.</td>
<td>Students must also register for EXSU 693N2. No credit will be given for this course unless both EXSU 693N1 and EXSU 693N2 are successfully completed in consecutive terms. EXSU 693N1 and EXSU 693N2 together are equivalent to EXSU 693.</td>
</tr>
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</table>
EXSU 693N2
Credit Weight: 9
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: See EXSU 693N1 for course description.
Notes: Prerequisite: EXSU 693N1
No credit will be given for this course unless both EXSU 693N1 and EXSU 693N2 are successfully completed in a twelve month period
EXSU 693N1 and EXSU 693N2 together are equivalent to EXSU 693

EXSU 700
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administrating Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Active

EXSU 700D1
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Students must register for both EXSU 700D1 and EXSU 700D2
No credit will be given for this course unless both EXSU 700D1 and EXSU 700D2 are successfully completed in consecutive terms
EXSU 700D1 and EXSU 700D2 together are equivalent to EXSU 700

EXSU 700D2
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: See EXSU 700D1 for course description.
Notes: Prerequisite: EXSU 700D1
No credit will be given for this course unless both EXSU 700D1 and EXSU 700D2 are
successfully completed in consecutive terms
EXSU 700D1 and EXSU 700D2 together are equivalent to EXSU 700

Administrating Faculty: Graduate Studies
Teaching Department: Surgery
Status (catalog level): Inactive
EXTL DPBO
Credit Weight: 0
Transcript Title: DualDegree/Partner Bordeaux
Calendar Title:
Administrating Faculty: Graduate Studies
Teaching Department: Artificial Course (GDEU)
Status (catalog level): Active

EXTL DPUE
Credit Weight: 0
Transcript Title: DualDegree/Partner UEST China
Calendar Title: DualDegree/Partner UEST China.
Administrating Faculty: Graduate Studies
Teaching Department: Artificial Course (GDEU)
Status (catalog level): Active

EXTL EXAG
Credit Weight: 0
Transcript Title: Exchange-Agric Environ Sci
Calendar Title:
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

EXTL EXAR
Credit Weight: 0
Transcript Title: Exchange Term Away-Arts
Calendar Title:
Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

EXTL EXAS
Credit Weight: 0
Transcript Title: Exchange Term Away-AR&SC
Calendar Title:
Administrating Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

EXTL EXDE
Credit Weight: 0
Transcript Title: Exchange Term Away-Dentistry
Calendar Title:
Administrating Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

EXTL EXED
Credit Weight: 0
Transcript Title: Exchange Term Away-Education
Calendar Title:
Administrating Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EXTL EXEN
Credit Weight: 0
Transcript Title: Exchange Term Away-Engineering
Calendar Title:
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

EXTL EXGR
Credit Weight: 0
Transcript Title: Exchange Term Away-Grad Studies
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (GDEU)
Status (catalog level): Active

EXTL EXLW
Credit Weight: 0
Transcript Title: Exchange Term Away-Law
Calendar Title:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

EXTL EXMD
Credit Weight: 0
Transcript Title: Exchange Term Away-Medicine
Calendar Title:
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

EXTL EXMG
Credit Weight: 0
Transcript Title: Exchange Term Away-Management
Calendar Title:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

EXTL EXMU
Credit Weight: 0
Transcript Title: Exchange Term Away-Music
Calendar Title:
Administering Faculty: Schulich School of Music
Teaching Department: Music
Status (catalog level): Active

EXTL EXNU
Credit Weight: 0
Transcript Title: Exchange Term Away-Nursing
Calendar Title:
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

EXTL EXPO
Credit Weight: 0
Transcript Title: Exchange Term Away-Phys & Occ
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

EXTL EXRS
Credit Weight: 0
Transcript Title: Exchnge Term Away-Religious St
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

EXTL EXSC
Credit Weight: 0
Transcript Title: Exchange Term Away-Science
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL FSAF
Credit Weight: 0
Transcript Title: Field Study Semester ¿ Africa
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL FSAR
Credit Weight: 0
Transcript Title: Field Study Semester ¿ Arctic
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL FSBF
Credit Weight: 0
Transcript Title: Field Study Semester-Barbados
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL FSBI
Credit Weight: 0
Transcript Title: Field Study Semester BITS
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL FSPA
Credit Weight: 0
Transcript Title: Field Study Semester & Panama
Calendar Title:
Administrating Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL GLEN
Credit Weight: 0
Transcript Title: Away at CentraleSupélec
Calendar Title:
Administrating Faculty: Faculty of Engineering
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

EXTL IPAR
Credit Weight: 0
Transcript Title: Internship Term - Arts
Calendar Title:
Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

EXTL IPAS
Credit Weight: 0
Transcript Title: Internship Term - Arts & Science
Calendar Title: Internship Term.
Administrating Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

EXTL IPEN
Credit Weight: 0
Transcript Title: Internship Term - Engineering
Calendar Title:
Notes:
Administrating Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

EXTL IPSC
Credit Weight: 0
Transcript Title: Internship Term - Science
Calendar Title:
Notes:
Administrating Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL IUAG
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active
EXTL IUAR
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

EXTL IUAS
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: Inter-University Transfer.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

EXTL IUCE
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: School of Continuing Studies
Teaching Department: Personal & Cultural Enrichment
Status (catalog level): Active

EXTL IUDE
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

EXTL IUED
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EXTL IUEE
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

EXTL IUGR
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (GDEU)
Status (catalog level): Active
EXTL IULW
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

EXTL IUMD
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

EXTL IUMG
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

EXTL IUMP
Credit Weight: 0
Transcript Title: Inter-University Elective
Calendar Title:
Administering Faculty: Post Graduate Medicine
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

EXTL IUMU
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administering Faculty: Schulich School of Music
Teaching Department: Music
Status (catalog level): Active

EXTL IUNU
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

EXTL IUPD
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title:
Administering Faculty: Postdoctoral Fellows
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Inactive
EXTL IUPO
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

EXTL IURS
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

EXTL IUSC
Credit Weight: 0
Transcript Title: Inter-University Transfer
Calendar Title: 
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

EXTL LAAG
Credit Weight: 0
Transcript Title: Leave of Absence-Agr Enviro Sc
Calendar Title: 
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

EXTL LAAR
Credit Weight: 0
Transcript Title: Leave of Absence-Arts
Calendar Title: 
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

EXTL LAAS
Credit Weight: 0
Transcript Title: Leave of Absence-Arts&Science
Calendar Title: 
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

EXTL LADE
Credit Weight: 0
Transcript Title: Leave of Absence-Dentistry
Calendar Title: 
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
EXTL LAED
Credit Weight: 0
Transcript Title: Leave of Absence-Education
Calendar Title:
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

EXTL LAEN
Credit Weight: 0
Transcript Title: Leave of Absence-Engineering
Calendar Title:
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

EXTL LAGR
Credit Weight: 0
Transcript Title: Leave of Absence-Grad Studies
Calendar Title:
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

EXTL LALW
Credit Weight: 0
Transcript Title: Leave of Absence-Law
Calendar Title:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

EXTL LAMD
Credit Weight: 0
Transcript Title: Leave of Absence-Medicine
Calendar Title:
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

EXTL LAMG
Credit Weight: 0
Transcript Title: Leave of Absence-Management
Calendar Title:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

EXTL LAMP
Credit Weight: 0
Transcript Title: Leave of Absence-Med Residents
Calendar Title:
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

**EXTL LAMU**
Credit Weight: 0
Transcript Title: Leave of Absence-Music
Calendar Title: Schulich School of Music
Administering Faculty: Schulich School of Music
Teaching Department: Music
Status (catalog level): Active

**EXTL LANU**
Credit Weight: 0
Transcript Title: Leave of Absence-Nursing
Calendar Title: Ingram School of Nursing
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

**EXTL LAPD**
Credit Weight: 0
Transcript Title: Leave of Absence-Post Doc
Calendar Title: Postdoctoral Fellows
Administering Faculty: Postdoctoral Fellows
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

**EXTL LAPO**
Credit Weight: 0
Transcript Title: Leave of Absence-Phys & Occ Th
Calendar Title: School of Phys & Occ Therapy
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

**EXTL LARS**
Credit Weight: 0
Transcript Title: Leave of Absence-Religious St
Calendar Title: Faculty of Arts
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

**EXTL LASC**
Credit Weight: 0
Transcript Title: Leave of Absence-Science
Calendar Title: Faculty of Science
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

**EXTL TAAG**
Credit Weight: 0
Transcript Title: Term Away-Agric Environ Sci
Calendar Title: Faculty of Agric Environ Sci
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

**EXTL TAAR**
Credit Weight: 0
Transcript Title: Term Away-Arts
Calendar Title:  
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

**EXTL TAAS**
Credit Weight: 0
Transcript Title: Term Away-Arts & Science
Calendar Title: Term Away-Arts & Science.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active

**EXTL TADE**
Credit Weight: 0
Transcript Title: Term Away-Dentistry
Calendar Title:  
Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active

**EXTL TAED**
Credit Weight: 0
Transcript Title: Term Away-Education
Calendar Title:  
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

**EXTL TAEN**
Credit Weight: 0
Transcript Title: Term Away Engineering
Calendar Title:  
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

**EXTL TAGR**
Credit Weight: 0
Transcript Title: Term Away-Graduate Studies
Calendar Title:  
Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (GDEU)
Status (catalog level): Active

**EXTL TALW**
Credit Weight: 0
Transcript Title: Term Away-Law
Calendar Title:  
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

**EXTL TAMD**
Credit Weight: 0
Transcript Title: Term Away-Medicine
Calendar Title:
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

**EXTL TAMG**
Credit Weight: 0
Transcript Title: Term Away-Management
Calendar Title:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

**EXTL TAMU**
Credit Weight: 0
Transcript Title: Term Away-Music
Calendar Title:
Administering Faculty: Schulich School of Music
Teaching Department: Music
Status (catalog level): Active

**EXTL TANU**
Credit Weight: 0
Transcript Title: Term Away-Nursing
Calendar Title:
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

**EXTL TAPO**
Credit Weight: 0
Transcript Title: Term Away-Phys & Occ Therapy
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

**EXTL TARS**
Credit Weight: 0
Transcript Title: Term Away-Religious Studies
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

**EXTL TASC**
Credit Weight: 0
Transcript Title: Term Away-Science
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active
FACC 100
Credit Weight: 1
Transcript Title: Intro to the Eng. Profession
Calendar Title: Introduction to the Engineering Profession.
Description: Introduction to engineering practice; rights and code of conduct for students; professional conduct and ethics; engineer's duty to society and the environment; sustainable development; occupational health and safety; overview of the engineering disciplines taught at McGill.
Notes: (1.5-0-1.5)
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 200
Credit Weight: 0
Transcript Title: Industrial Practicum 1
Calendar Title: Industrial Practicum 1.
Description: 12 to 16 weeks of full-time remunerated engineering-related work in private or public practice.
Notes: Coordinated by the Engineering Career Centre.
Prerequisite: Permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 201
Credit Weight: 0
Transcript Title: Industrial Practicum 2
Calendar Title: Industrial Practicum 2.
Description: 12 to 16 weeks of full-time remunerated engineering-related work in private or public practice.
Notes: Coordinated by the Engineering Career Centre.
Prerequisites: FACC 200 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 202
Credit Weight: 0
Transcript Title: Industrial Practicum 3
Calendar Title: Industrial Practicum 3.
Description: 12 to 16 weeks of full-time remunerated engineering-related work in private or public practice.
Notes: Coordinated by the Engineering Career Centre.
Prerequisites: FACC 201 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active
FACC 203
Credit Weight: 0
Transcript Title: Industrial Practicum 4
Calendar Title: Industrial Practicum 4.
Description:
12 to 16 weeks of full-time remunerated engineering-related work in private or public practice.
Notes:
Coordinated by the Engineering Career Centre.
Prerequisites: FACC 202 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 204
Credit Weight: 0
Transcript Title: Industrial Practicum 5
Calendar Title: Industrial Practicum 5.
Description:
12 to 16 weeks of full-time remunerated engineering-related work in private or public practice.
Notes:
Coordinated by the Engineering Career Centre.
Prerequisites: FACC 203 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 205
Credit Weight: 0
Transcript Title: Industrial Practicum 6
Calendar Title: Industrial Practicum 6.
Description:
12 to 16 weeks of full-time remunerated engineering-related work in private or public practice.
Notes:
Coordinated by the Engineering Career Centre.
Prerequisites: FACC 204 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 210
Credit Weight: 0
Transcript Title: MIAE Industrial Practicum 1
Calendar Title: MIAE Industrial Practicum 1.
Description:
Research and design project in the aerospace industry, coordinated by the McGill Institute for Aerospace Engineering (MIAE) and supervised by both an industrial and an academic researcher.
Notes:
Prerequisite: Permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active
FACC 211
Credit Weight: 0
Transcript Title: MIAE Industrial Practicum 2
Calendar Title: MIAE Industrial Practicum 2.
Description:
Research and design project in the aerospace industry, coordinated by the McGill Institute for Aerospace Engineering (MIAE) and supervised by both an industrial and an academic researcher.
Notes:
Prerequisites: FACC 210 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 212
Credit Weight: 0
Transcript Title: MIAE Industrial Practicum 3
Calendar Title: MIAE Industrial Practicum 3.
Description:
Research and design project in the aerospace industry, coordinated by the McGill Institute for Aerospace Engineering (MIAE) and supervised by both an industrial and an academic researcher.
Notes:
Prerequisites: FACC 211 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 213
Credit Weight: 0
Transcript Title: MIAE Industrial Practicum 4
Calendar Title: MIAE Industrial Practicum 4.
Description:
Research and design project in the aerospace industry, coordinated by the McGill Institute for Aerospace Engineering (MIAE) and supervised by both an industrial and an academic researcher.
Notes:
Prerequisites: FACC 212 and permission of Faculty.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 220
Credit Weight: 3
Transcript Title: Law for Architects & Engineers
Calendar Title: Law for Architects and Engineers.
Description:
Aspects of the law which affect architects and engineers. Definition and branches of law; Federal and Provincial jurisdiction, civil and criminal law and civil and common law; relevance of statutes; partnerships and companies; agreements; types of property, rights of ownership; successions and wills; expropriation; responsibility for negligence; servitudes/easements, privileges/liens, hypotheecs/mortgages; statutes of limitations; strict liability of architect, engineer and builder; patents, trade marks, industrial design and copyright; bankruptcy; labour law; general and expert evidence; court procedure and arbitration.
Notes:
(3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 250
Credit Weight: 0
Transcript Title: Resp. of the Prof. Engineer
Calendar Title: Responsibilities of the Professional Engineer.
Description:
A course designed to provide all Engineering students with further training regarding their responsibilities as future Professional Engineers. Particular focus will be placed on three professional characteristics that future engineers must demonstrate: i) professionalism, ii) ethical and equitable behaviour, and iii) consideration of the impact of engineering on society and the environment.
Notes:
Prerequisite(s): FACC 100 or BREE 205
Restriction(s): Open to undergraduate students registered in the Bioengineering, Bioresource Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Materials Engineering, Mechanical Engineering, Mining Engineering, and Software Engineering (Faculty of Engineering) programs. Not open to U0 (Year 0) students.
(0-0-0.5)
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 300
Credit Weight: 3
Transcript Title: Engineering Economy
Calendar Title: Engineering Economy.
Description:
Introduction to the basic concepts required for the economic assessment of engineering projects. Topics include: accounting methods, marginal analysis, cash flow and time value of money, taxation and depreciation, discounted cash flow analysis techniques, cost of capital, inflation, sensitivity and risk analysis, analysis of R and D, ongoing as well as new investment opportunities.
Notes:
(3-1-5)
Restriction: Not open to students who have taken MIME 310.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 351
Credit Weight: 0
Transcript Title: Summer Undergrad Res Exp 1
Calendar Title: Summer Undergraduate Research Experience 1.
Description:
Participation in the SURE (Summer Undergraduate Research in the Faculty of Engineering) experience, in which a student undertakes a 16-week traineeship within a research facility or laboratory in the Faculty, including the School of Architecture. Students work closely with academic researchers and graduate students on a specified project, and present the results of their research as part of the SURE poster session at the end of the summer.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 352
Credit Weight: 0
Transcript Title: Summer Undergrad Res Exp 2
Calendar Title: Summer Undergraduate Research Experience 2.
Description:
Participation in the SURE (Summer Undergraduate Research in the Faculty of Engineering) experience, in which a student undertakes a 16-week traineeship within a research facility or laboratory in the Faculty, including the School of Architecture. Students work closely with academic researchers and graduate students on a specified project, and present the results of their research as part of the SURE poster session at the end of the summer.
Notes:
Prerequisite: FACC 351

FACC 353
Credit Weight: 0
Transcript Title: Summer Undergrad Res Exp 3
Calendar Title: Summer Undergraduate Research Experience 3.
Description:
Participation in the SURE (Summer Undergraduate Research in the Faculty of Engineering) experience, in which a student undertakes a 16-week traineeship within a research facility or laboratory in the Faculty, including the School of Architecture. Students work closely with academic researchers and graduate students on a specified project, and present the results of their research as part of the SURE poster session at the end of the summer.
Notes:
Prerequisite: FACC 352

FACC 354
Credit Weight: 0
Transcript Title: Summer Undergrad Res Exp 4
Calendar Title: Summer Undergraduate Research Experience 4.
Description:
Participation in the SURE (Summer Undergraduate Research in the Faculty of Engineering) experience, in which a student undertakes a 16-week traineeship within a research facility or laboratory in the Faculty, including the School of Architecture. Students work closely with academic researchers and graduate students on a specified project, and present the results of their research as part of the SURE poster session at the end of the summer.
Notes:
Prerequisite: FACC 353
**FACC 500**

Credit Weight: 3  
Transcript Title: Tech. Business Plan Design  
Calendar Title: Technology Business Plan Design.  
Description:  
This course combines several management functional areas such as marketing, financial, operations and strategy with the skills of creativity, engineering innovation, leadership and communications. Students learn how to design an effective and winning business plan around a technology or engineering project in small, medium or large enterprises.  
Notes:  
(3-0-6)  
Prerequisite: FACC 300 or permission of instructor.  
Recommended to be taken in combination with FACC 501.  
Administering Faculty: Faculty of Engineering  
Teaching Department: Engineering - Dean's Office  
Status (catalog level): Active

**FACC 501**

Credit Weight: 3  
Transcript Title: Tech. Business Plan Project  
Calendar Title: Technology Business Plan Project.  
Description:  
Students work in teams to develop a comprehensive business plan project based on a technological or engineering innovation while utilizing site visits.  
Notes:  
(1-0-8)  
Prerequisite: FACC 300 or permission of instructor  
Restrictions: Not open to students who have taken FACC 480.  
Recommended to be taken in combination with FACC 500.  
Administering Faculty: Faculty of Engineering  
Teaching Department: Engineering - Dean's Office  
Status (catalog level): Active

**FACC 510**

Credit Weight: 3  
Transcript Title: Sel Topics: Faculty of Eng 1  
Calendar Title: Selected Topics in the Faculty of Engineering 1.
Description:
Special topics related to interdisciplinary areas in engineering, architecture, and/or urban planning.

Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Restricted to graduate students and undergraduate students in their final year.
Contact hours variable.

Administrating Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

FACC 511
Credit Weight: 3
Transcript Title: Sel Topics: Faculty of Eng 2
Calendar Title: Selected Topics in the Faculty of Engineering 2.
Description:
Special topics related to inter-disciplinary areas in engineering, architecture, and/or urban planning.

Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Restricted to graduate students
Contact hours variable.

Administrating Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active
FAES 200
Credit Weight: 0
Transcript Title: Internship 1
Calendar Title: Internship 1.
Description: Full-time work-term intended to complement the student's undergraduate studies.
Notes: Students will be graded using the Pass/Fail system. Students must be registered as a full-time student prior to and after enrollment in this course. A mandatory report must be submitted at the end of the Internship to the Faculty of Agricultural and Environmental Sciences Internship Office. Restrictions: Students must be registered as a full-time student prior to and after enrollment in this course. Minimum CGPA of 2.7 required. Open to all students in the Faculty of Agricultural and Environmental Sciences.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

FAES 201
Credit Weight: 0
Transcript Title: Internship 1B
Calendar Title: Internship 1B.
Description: Full-time work-term intended to complement the student's undergraduate studies.
Restrictions: Must have completed at least 27 credits. Must be registered as a full-time student prior to work term. CGPA 2.7 or permission of the Internship Officer. Open to all students in Faculty of Agricultural and Environmental Sciences.
This is a zero-credit course for which students will receive a Pass/Fail grade on their transcript. A mandatory report must be submitted at the end of the internship to the Faculty of Agricultural and Environmental Sciences Internship Office.
Finding a work placement is the responsibility of the student and facilitated by the Faculty's Internship Office.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

FAES 300
Credit Weight: 3
Transcript Title: Internship 2
Calendar Title: Internship 2.
Description: Full-time work-term intended to complement the student's undergraduate studies. Course work will be graded by a Faculty member with expertise relevant to the student's area of study. Finding a work placement is the responsibility of the student and facilitated by the Faculty's Internship Office.
Notes: Students will receive a final grade on their transcript. Students must be registered as a full-time student prior to and after enrollment in this course. A mandatory report must be submitted at the end of the Internship to the Faculty of Agricultural and Environmental Sciences Internship Office. Restrictions: Students must be registered as a full-time student prior to and after enrollment in this course. Minimum CGPA of 2.7 required. Open to all students in the Faculty of Agricultural and Environmental Sciences.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

**FAES 301**
Credit Weight: 3
Transcript Title: Internship 2B
Calendar Title: Internship 2B.
Description: Full-time work-term intended to complement the student's undergraduate studies.
Notes: Restrictions: Must have completed at least 27 credits. Must be registered as a full-time student prior to work term. CGPA 2.7 or permission of the Internship Officer. Open to all students in Faculty of Agricultural and Environmental Sciences.
1. This is a 3-credit course for which students will receive a letter grade on their transcript; course work will be graded by a Faculty member with expertise relevant to the student's area of study. A mandatory report must be submitted at the end of the internship to the Faculty of Agricultural and Environmental Sciences Internship Office.
Finding a work placement is the responsibility of the student and facilitated by the Faculty's Internship Office.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Agricultural & Env.Sc.-Dean
Status (catalog level): Active

**FAES 310**
Credit Weight: 3
Transcript Title: Agribusiness Entrepreneurship
Calendar Title: Agribusiness Entrepreneurship.
Description: Concepts and skills relevant to establishing new or managing existing business ventures in the agricultural, bioresource engineering, environmental, and food sectors (agri-food and agribusiness). Business organization, overview of current organizations in these sectors, business partnership, as well as understanding the market structure, niche markets, and opportunities. New product development, customer values, raising start-up capital, and different business strategies are explored. Class discussion, business case studies, assignments, student presentations, and current entrepreneurship literature related to agri-food and agribusiness are used throughout the course to reinforce concepts, in addition to guest lectures from agri-food and agribusiness sectors.
Notes: Restriction(s): Open to U2 and above.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Agricultural & Env.Sc.-Dean
Status (catalog level): Active

**FAES 313**
Credit Weight: 3
Transcript Title: Special Topics 03
Calendar Title: Special Topics 03.
Description: Students will pursue topics that are not otherwise available in formal courses. An individualized course of studies will be followed under the supervision of a member of staff qualified in the appropriate discipline or area.
Notes: Restriction(s): Permission of instructor.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.**

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**FAES 323**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics 04  
**Calendar Title:** Special Topics 04.  
**Description:**  
Students will pursue topics that are not otherwise available in formal courses. An individualized course of studies will be followed under the supervision of a member of staff qualified in the appropriate discipline or area.  
**Notes:**  
Restriction(s): Permission of instructor.  
1. Fall and Winter  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**FAES 371**  
**Credit Weight:** 1  
**Transcript Title:** Special Topics 01  
**Calendar Title:** Special Topics 01.  
**Description:**  
Students will pursue topics that are not otherwise available in formal courses. An individualized course of studies will be followed under the supervision of a member of staff qualified in the appropriate discipline or area.  
**Notes:**  
Restriction(s): Permission of instructor.  
1. Fall and Winter  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**FAES 372**  
**Credit Weight:** 2  
**Transcript Title:** Special Topics 02  
**Calendar Title:** Special Topics 02.  
**Description:**  
Students will pursue topics that are not otherwise available in formal courses. An individualized course of studies will be followed under the supervision of a member of staff qualified in the appropriate discipline or area.  
**Notes:**  
Restriction(s): Permission of instructor.  
1. Fall and Winter  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Agricultural & Env.Sc.-Dean  
**Status (catalog level):** Active

**FAES 401**  
**Credit Weight:** 6  
**Transcript Title:** Honours Research Project 1  
**Calendar Title:** Honours Research Project 1.
Description:
Students will prepare a Literature Review, Progress Report and deliver a Proposal Seminar as well as begin work on the research project. Completion of the project will take place in FAES 402, Honours Research Project 2.

Notes:
Prerequisite: Permission of instructor.
Restrictions: This course is intended for senior undergraduate students (U3) in the final year of their Honours program.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

FAES 402
Credit Weight: 6
Transcript Title: Honours Research Project 2
Calendar Title: Honours Research Project 2.
Description:
Honours Research Project 2 is the completion of the project begun in FAES 401 and requires a Progress Report, a Final Project Report and a Project Presentation.
Notes:
Prerequisites: FAES 401 and permission of instructor
Restrictions: This course is intended for senior undergraduate students (U3) in the final year of their Honours program.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

FAES 405
Credit Weight: 3
Transcript Title: Honours Project 1
Calendar Title: Honours Project 1.
Description:
Students will prepare a Literature Review, Progress Report and deliver a Proposal Seminar as well as begin work on the research project. Completion of the project will take place in FAES 406, Honours Project 2.
Notes:
Prerequisite: Permission of instructor
Restrictions: This course is intended for senior undergraduate students (U3) in the final year of their Honours program.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

FAES 406
Credit Weight: 3
Transcript Title: Honours Project 2
Calendar Title: Honours Project 2.
Description:
Honours Project 2 is the completion of the project begun in FAES 405 and requires a Progress Report, a Final Project Report and a Project Presentation.
Notes:
Prerequisites: FAES 405 and permission of instructor
Restrictions: This course is intended for senior undergraduate students (U3) in the final year of their Honours program.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active
FDSC 200  
Credit Weight: 3  
Transcript Title: Introduction to Food Science  
Calendar Title: Introduction to Food Science.  
Description:  
This course enables one to gain an appreciation of the scope of food science as a discipline. Topics include introductions to chemistry, processing, packaging, analysis, microbiology, product development, sensory evaluation and quality control as they relate to food science.  
Notes:  
Fall  
3 lectures  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active

FDSC 213  
Credit Weight: 3  
Transcript Title: Analytical Chemistry 1  
Calendar Title: Analytical Chemistry 1.  
Description:  
Theoretical aspects of wet chemical techniques including gravimetric and volumetric analyses, redoximetry, and separation techniques.  
Notes:  
Fall  
3 lectures and one 3-hour lab  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active

FDSC 230  
Credit Weight: 4  
Transcript Title: Organic Chemistry  
Calendar Title: Organic Chemistry.  
Description:  
Atomic and molecular structure, modern concepts of bonding, overview of functional groups, conformational analysis, stereochemistry, mechanisms and reactions of aliphatic compounds.  
Notes:  
Fall or Winter  
3 lectures and one 3-hour lab  
Prerequisite(s): AECH 110 or CHEM 110 or equivalent of CHEM NYA in CEGEP.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active

FDSC 231  
Credit Weight: 3  
Transcript Title: Organic Chemistry Lecture  
Calendar Title: Organic Chemistry Lecture.  
Description:  
Atomic and molecular structure, modern concepts of bonding, overview of functional groups, conformational analysis, stereochemistry, mechanisms and reactions of aliphatic and aromatic compounds.  
Notes:  
Prerequisite: AECH 110 or CHEM 110 or equivalent of CHEM NYA in CEGEP  
Restriction: Not open to students who have taken or are taking FDSC 230 or
equivalent
In order to complete the Organic Chemistry 4 credit requirement, the lab
component (FDSC 232) must also be completed.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr. Chemistry
Status (catalog level): Active

FDSC 232
Credit Weight: 1
Transcript Title: Organic Chemistry Laboratory
Calendar Title: Organic Chemistry Laboratory.
Description: Techniques and experiments in organic chemistry.
Notes: Prerequisite: AEC 110 or CHEM 110 or equivalent of CHE NYA in CEGEP FDSC 231 or equivalent
Restriction: Not open to students who have taken or are taking FDSC 230 or equivalent
Laboratory section associated with FDSC 231.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr. Chemistry
Status (catalog level): Active

FDSC 233
Credit Weight: 3
Transcript Title: Physical Chemistry
Calendar Title: Physical Chemistry.
Description: Introduction to kinetic theory, thermodynamics, properties of liquids and solids, chemical equilibrium and the law of mass action, phase rule, properties of solutions, chemical kinetics.
Notes: Winter
3 lectures
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr. Chemistry
Status (catalog level): Active

FDSC 251
Credit Weight: 3
Transcript Title: Food Chemistry 1
Calendar Title: Food Chemistry 1.
Description: A study of the chemistry and functionality of the major components comprising food systems, such as water, proteins, carbohydrates and lipids. The relationship of these components to food stability will be studied in terms of degradative reactions and processing.
Notes: Winter
3 lectures and one 3-hour lab
Prerequisite: FDSC 211 or LSCI 211
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr. Chemistry
Status (catalog level): Active

FDSC 300
Credit Weight: 3
Transcript Title: Principles of Food Analysis 1  
Calendar Title: Principles of Food Analysis 1.  
Description:  
The fundamentals of food analysis are presented with the emphasis on the major components of foods. Topics include: food components, sampling, method selection, official methods, proximate analysis, moisture, protein, fat, ash, fiber, carbohydrates, vitamins and nutraceutical compounds.  
Notes:  
Fall  
3 lectures and one 3-hour lab  
Prerequisite: FDSC 251 or permission of instructor.  
Corequisite: FDSC 251 or permission of instructor.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active  

FDSC 305  
Credit Weight: 3  
Transcript Title: Food Chemistry 2  
Calendar Title: Food Chemistry 2.  
Description:  
A study of the chemistry and functionality of the minor components comprising food systems, such as enzymes, anthocyanins, carotenoids, additives, vitamins and essential oils. The relationship of these components to food stability in terms of degradative reactions and processing.  
Notes:  
Fall  
3 lectures and one 3-hour lab  
Prerequisite: FDSC 251  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active  

FDSC 310  
Credit Weight: 3  
Transcript Title: Post Harvest Fruit&Veg Technol  
Calendar Title: Post Harvest Fruit and Vegetable Technology.  
Description:  
The post harvest chemistry and physiology of horticultural crops as they affect quality and marketability, handling methods pre and post harvest, principles and practices in cooling, storage, transportation and packaging.  
Notes:  
Fall  
3 lectures and one 3-hour lab  
This course carries an additional charge of $48.67 to cover the cost of transportation with respect to field trips. The fee is refundable only during the withdrawal with full refund period.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active  

FDSC 315  
Credit Weight: 3  
Transcript Title: Separation Tech in Food Anal 1  
Calendar Title: Separation Techniques in Food Analysis 1.  
Description:
A detailed treatment on the principal chromatographic and electrophoretic techniques that are associated with the analysis of carbohydrate, lipid, protein constituents of food.

Notes:
Winter
3 lectures and one 3-hour lab
Prerequisite: FDSC 300 or permission of instructor.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 319
Credit Weight: 3
Transcript Title: Food Commodities
Calendar Title: Food Commodities.
Description:
The relationship between the chemistry of food constituents present in common commodities, such as milk, meat, eggs, cereals, oilseeds etc. and the common processing technologies associated with their transformation into stable food products.

Notes:
Winter
3 lectures and one 3-hour lab
Prerequisite: FDSC 251 or permission of instructor

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 330
Credit Weight: 3
Transcript Title: Food Processing
Calendar Title: Food Processing.
Description:
The principles and practices of food processing with an emphasis on canning, freezing, and dehydration. A survey of the newer methods of food preservation such as irradiation, reverse osmosis etc.

Notes:
Winter
3 lectures and one 3-hour lab
Prerequisite: FDSC 251

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 334
Credit Weight: 3
Transcript Title: Anal of Food Toxins&Toxicants
Calendar Title: Analysis of Food Toxins and Toxicants.
Description:
Toxins and toxicant residues in food including heavy metals, persistent organic pollutants (POPS) and microbial toxins are explored from an analytical perspective; new methods and strategies of analysis are emphasized.

Notes:
Winter
3 lectures and one 3-hour lab
Prerequisite: FDSC 213 or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active

FDSC 400  
Credit Weight: 3  
Transcript Title: Food Packaging  
Calendar Title: Food Packaging.  
Description: An integrated approach to the materials used for the packaging of food products, considering the physical, chemical and functional characteristics of such materials and their utility, relative to the chemistry of the food system they are designed to enclose and preserve.  
Notes:  
Winter  
3 lectures and one 3-hour lab  
Prerequisite: FDSC 305  
This course carries an additional charge of $52.69 to cover the cost of transportation with respect to field trips. The fee is refundable only during the withdrawal with full refund period.  

Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active

FDSC 405  
Credit Weight: 3  
Transcript Title: Food Product Development  
Calendar Title: Food Product Development.  
Description: Fundamental principles of food product development from an innovative concept to the marketplace. Emphasis will be on the application of basic knowledge of food chemistry, food technology and related disciplines in developing new products or improving the existing ones.  
Symbols: PRMT - Requires departmental approval  
Notes:  
Fall  
3 lectures and one 4-hour lab.  
Pre-/Co-requisite: FDSC 305 or permission of instructor  

Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science&Agr.Chemistry  
Status (catalog level): Active

FDSC 442  
Credit Weight: 3  
Transcript Title: Food Microbiology  
Calendar Title: Food Microbiology.  
Description: Topics in Food Microbiology including an overview of the natural flora and microbiological spoilage of food products, methods of control and shelf-life extension, methods of detection and control food-borne pathogens and the use of suitable microorganisms in the production of a variety of food products.  
Notes:  
Fall  
Prerequisite: MICR 230 or LSCI 230 or permission of instructor.  
Restriction: Not open to students who have completed MICR 442.  

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science & Agr. Chemistry  
Status (catalog level): Active

FDSC 475  
Credit Weight: 3  
Transcript Title: Intro to Cannabis & Cannabinoids  
Calendar Title: Introduction to Cannabis and Cannabinoids.  
Description: The chemistry, metabolic pathways of formation, biological activity, and health benefits of phytochemicals in cannabis plants. Extraction, classification, and analysis of bioactive components in cannabis plants.  
Notes: Corequisites: PLNT 470, FDSC 476, and FDSC 477  
Restriction: Open only to students enrolled in the Diploma in Commercial Cannabis  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science & Agr. Chemistry  
Status (catalog level): Active

FDSC 476  
Credit Weight: 3  
Transcript Title: Contaminants in Cannabis  
Calendar Title: Contaminants in Cannabis.  
Description: Basic concepts of various contaminants in cannabis. Sources, basic biology/chemistry, classification and testing, method validation and quality assurance procedures to avoid microbial/chemical contamination.  
Notes: Corequisites: PLNT 470, FDSC 475, FDSC 477  
Restriction: Open only to students enrolled in the Diploma in Commercial Cannabis  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science & Agr. Chemistry  
Status (catalog level): Active

FDSC 477  
Credit Weight: 3  
Transcript Title: Intro to Cannabis Prod. Design  
Calendar Title: Introduction to Cannabis Product Design.  
Description: Fundamental principles needed to develop new food products from conceptualization through design, formulation and production, as applied to cannabis products. The technical challenges associated with the formulation of cannabis-based products, as well as the considerations for an optimal formulation.  
Notes: Corequisites: PLNT 470, FDSC 475, FDSC 476  
Restriction: Only open to students enrolled in the Diploma in Commercial Cannabis  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Food Science & Agr. Chemistry  
Status (catalog level): Active

FDSC 480  
Credit Weight: 12  
Transcript Title: Food Industry Internship  
Calendar Title: Food Industry Internship.  
Description: Intership with an approved host organization in the food industry.  
Notes:
Note: Open to students who have a minimum of 60 credits in the Double Major Food Science/Nutritional Sciences or permission of department.

**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

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**FDSC 490**  
**Credit Weight:** 3  
**Transcript Title:** Research Project 1  
**Calendar Title:** Research Project 1.  
**Description:**  
A course designed to give final year undergraduate students research experience.  
**Symbols:** PRMT - Requires departmental approval  
**Notes:**  
Fall or Winter  
**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

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**FDSC 491**  
**Credit Weight:** 3  
**Transcript Title:** Research Project 2  
**Calendar Title:** Research Project 2.  
**Description:**  
A laboratory research project.  
**Symbols:** PRMT - Requires departmental approval  
**Notes:**  
Fall or Winter  
**Pre-/Co-requisite:** FDSC 490  
**Restriction:** Registration by Department permission only.  
**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

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**FDSC 495D1**  
**Credit Weight:** 1.5  
**Transcript Title:** Food Science Seminar  
**Calendar Title:** Food Science Seminar.  
**Description:**  
Two 20-minute presentations (1 per term) on an assigned or selected topic. The purpose is to research a subject and present to a peer audience the essence of the subject investigated. Development of presentation and communication skills at a professional level is stressed and rapport with the industry will be established through guest speakers.  
**Notes:**  
Fall  
2 lectures  
Students must register for both FDSC 495D1 and FDSC 495D2.  
No credit will be given for this course unless both FDSC 495D1 and FDSC 495D2 are successfully completed in consecutive terms  
**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

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**FDSC 495D2**  
**Credit Weight:** 1.5
Transcript Title: Food Science Seminar
Calendar Title: Food Science Seminar.
Description:
See FDSC 495D1 for course description.
Notes:
Winter
Prerequisite: FDSC 495D1
No credit will be given for this course unless both FDSC 495D1 and FDSC 495D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 495N1
Credit Weight: 1.5
Transcript Title: Food Science Seminar
Calendar Title: Food Science Seminar.
Description:
Two 20-minute presentations (1 per term) on an assigned or selected topic. The purpose is to research a subject and present to a peer audience the essence of the subject investigated. Development of presentation and communication skills at a professional level is stressed and rapport with the industry will be established through guest speakers.
Notes:
Winter
Students must also register for FDSC 495N2
No credit will be given for this course unless both FDSC 495N1 and FDSC 495N2 are successfully completed in a twelve month period
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 495N2
Credit Weight: 1.5
Transcript Title: Food Science Seminar
Calendar Title: Food Science Seminar.
Description:
See FDSC 495N1 for course description.
Notes:
Fall
Prerequisite: FDSC 495N1
No credit will be given for this course unless both FDSC 495N1 and FDSC 495N2 are successfully completed in a twelve month period
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 497
Credit Weight: 1.5
Transcript Title: Professional Seminar: Food
Calendar Title: Professional Seminar: Food.
Description:
A capstone course which requires a student to research a topic relevant to an industrial aspect of Food Science, prepare a report and communicate that information to a peer audience in a succinct and professional manner.
Notes:
Fall or Winter
Note: Open to students who have completed a minimum of 75 credits in the dual degree/concurrent program in Food Science/Nutritional Science or permission of Department.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 515
Credit Weight: 3
Transcript Title: Enzymology
Calendar Title: Enzymology.
Description:
Selected advanced topics on the biophysical and kinetic aspects of enzymatic reactions, particularly the fundamentals and applications of laws of biothermodynamics, biochemical equilibrium, electrochemistry and biochemical kinetics as related to the enzymatic reactions.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
3 lectures
Prerequisites: FDSC 211 or LSCI 211 and FDSC 233 or permission of instructor
Course offered in even years. Check with Graduate Program Supervisor.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 516
Credit Weight: 3
Transcript Title: Flavour Chemistry
Calendar Title: Flavour Chemistry.
Description:
The chemistry of the flavour constituents of foods, thermal and enzymatic generation, mechanistic pathways of formation, analysis synthesis and applications in food.
Notes:
Winter
3 lectures
Prerequisite: FDSC 305 or permission of instructor
Restriction: Not open to students who have taken FDSC 410

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 519
Credit Weight: 3
Transcript Title: Advanced Food Processing
Calendar Title: Advanced Food Processing.
Description:
Advanced technologies associated with food processing studied in more detail. Topics include food irradiation, reverse osmosis, super critical fluid extraction and extrusion.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
3 lectures
Prerequisite: FDSC 330
Course offered in even years. Check with Graduate Program Supervisor.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

**FDSC 520**  
**Credit Weight:** 3  
**Transcript Title:** Biophysical Chemistry of Food  
**Calendar Title:** Biophysical Chemistry of Food.  
**Description:**  
This course will cover recent advances in the application of spectroscopic techniques, including infrared, Raman, near-infrared, circular dichroism, and fluorescence spectroscopy, to the study of biomolecules of relevance to food. Particular emphasis will be placed on the molecular basis of structure-function and structure-functionality relationships.  
**Symbols:** ALTY - Taught in alternate years  
**Notes:**  
Fall  
3 lectures  
Prerequisite: FDSC 233  
Course offered in odd years. Check with Graduate Program Supervisor.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

**FDSC 525**  
**Credit Weight:** 3  
**Transcript Title:** Food Quality Assurance  
**Calendar Title:** Food Quality Assurance.  
**Description:**  
The principles and practices required for the development, maintenance and monitoring of systems for food quality and food safety. The concepts and practices of Hazard Analysis Critical Control Point; ISO 9000; Total Quality Management; Statistical Sampling Plans, Statistical Process Control; Tools of Quality; Government Regulations.  
**Notes:**  
Winter  
3 lectures  
Prerequisite: AEMA 310 or permission of instructor  
Restriction: Not open to students who have taken FDSC 425  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Food Science&Agr.Chemistry  
**Status (catalog level):** Active

**FDSC 536**  
**Credit Weight:** 3  
**Transcript Title:** Food Traceability  
**Calendar Title:** Food Traceability.  
**Description:**  
Concepts and processes associated with the identification, tracking and tracing food forward and backward through the food continuum.  
**Symbols:** ALTY - Taught in alternate years  
**Notes:**  
Winter  
3 lectures
Prerequisite: FDSC 425 or permission of instructor. Course offered in odd years.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Food Science & Agr. Chemistry
**Status (catalog level):** Active

**FDSC 537**
**Credit Weight:** 3
**Transcript Title:** Nutraceutical Chemistry
**Calendar Title:** Nutraceutical Chemistry.
**Description:**
The origin, classification, mechanism of action and chemical properties of potential and established nutraceutical compounds and their applications in functional foods.
**Symbols:** ALTY - Taught in alternate years
**Notes:**
Fall
3 lectures
Prerequisite: FDSC 211 or LSCI 211, FDSC 230 and FDSC 233 or permission of instructor.
Course offered in even years.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Food Science & Agr. Chemistry
**Status (catalog level):** Active

**FDSC 538**
**Credit Weight:** 3
**Transcript Title:** Food Science in Perspective
**Calendar Title:** Food Science in Perspective.
**Description:**
Food industry, food properties, nutritive aspects, quality factors, and key preservation processes, with self-study linking these elements directly to specific commodities and product groups, their characteristics, chemistry and distinct manufacturing processes.
**Notes:**
Fall
Restriction: Not open to students with an undergraduate degree in Food Science or currently majoring in Food Science. Open to U3 students and above.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Food Science & Agr. Chemistry
**Status (catalog level):** Active

**FDSC 540**
**Credit Weight:** 3
**Transcript Title:** Sensory Evaluation of Foods
**Calendar Title:** Sensory Evaluation of Foods.
**Description:**
Principles and procedures for sensory evaluation of food products, applications of sensory tests, their strengths and weaknesses, factors affecting their responses, data analysis and interpretation of results. Analysis of sensory data in relation to the instrumental analyses will also be emphasized.
**Notes:**
Fall
3 lectures
Prerequisite: FDSC 305 or NUTR 346, or permission of the instructor
Offered in alternate years
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 545
Credit Weight: 3
Transcript Title: Advances in Food Microbiology
Calendar Title: Advances in Food Microbiology.
Description:
An advanced level food microbiology course providing a perspective on advanced topics in food microbiology (microbial biofilms, antimicrobial resistance, bacterial endospores) and describing the fundamental principles of advanced techniques in food microbiology (microbiological, biochemical, immunological, genetics methods).
Notes:
Winter
3 lectures
Prerequisite: MICR 230 or LSCI 230, or permission of instructor
Offered in alternate years only
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 555
Credit Weight: 3
Transcript Title: Comparative Food Law
Calendar Title: Comparative Food Law.
Description:
An introduction to food law. The transformations that food law is undergoing as a consequence of social, economic and technological changes, the regulation of food risks and consumers' rights to be informed (labeling, health claims, nutritional information).
Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 624
Credit Weight: 3
Transcript Title: Current Food Safety Issues
Calendar Title: Current Food Safety Issues.
Description:
Examining current and emerging food safety issues and concerns as they occur, including food recalls, in the context of food safety hazards and health risk, food laws and regulations, food industry standards and practices.
Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 626
Credit Weight: 3
Transcript Title: Food Safety Risk Assessment
Calendar Title: Food Safety Risk Assessment.
Description:
Food safety risk assessment as a key component of the risk analysis framework. Various aspects of the risk assessment process including planning, conducting and reviewing a risk assessment.
Administering Faculty: Graduate Studies
Teaching Department: Food Science & Agr. Chemistry
Status (catalog level): Active

FDSC 634
Credit Weight: 3
Transcript Title: Food Toxins & Toxicants
Calendar Title: Food Toxins and Toxicants.
Description: Toxins and toxicant residues in food are explored from an analytical perspective. New techniques of analysis and strategies are emphasized.
Notes: Winter
Prerequisite: FDSC 213 or permission of instructor.

FDSC 651
Credit Weight: 3
Transcript Title: Principles of Food Analysis 2
Calendar Title: Principles of Food Analysis 2.
Description: The fundamentals of food analysis are presented with the emphasis on the major food components. Topics include: sampling, method selection, official methods, proximate analysis, moisture, protein, fat, ash, fiber, carbohydrates, vitamins, nutraceutical compounds and infra-red analyses.
Notes: Fall
3 lectures; one 3-hour lab
Prerequisite: Permission of instructor.

FDSC 652
Credit Weight: 3
Transcript Title: Separation Tech in Food Anal 2
Calendar Title: Separation Techniques in Food Analysis 2.
Description: Advanced detailed treatment of the principal chromatographic and electrophoretic techniques associated with the analysis of carbohydrate, lipid and protein constituents of food.
Notes: Winter
3 lectures; one 3-hour lab
Prerequisite: Permission of instructor.

FDSC 690
Credit Weight: 8
Transcript Title: M.Sc. Literature Review
Calendar Title: M.Sc. Literature Review.
Description:
Master of Science literature review.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 691
Credit Weight: 7
Transcript Title: M.Sc. Research Protocol
Calendar Title: M.Sc. Research Protocol.
Description:
Master of Science research protocol.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 692
Credit Weight: 15
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description:
Master of Science research portion of the M.Sc. thesis based on results obtained from the research phase of the M.Sc. thesis. Satisfactory completion of the M.Sc. Thesis, approval by reviewers and acceptance by Graduate and Postdoctoral Studies is required to pass the course.

Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 695
Credit Weight: 3
Transcript Title: M.Sc. Graduate Seminar 1
Calendar Title: M.Sc. Graduate Seminar 1.
Description:
Presentation on a selected topic, research proposal or research results based on progress in degree work (M.Sc.1).

Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 696
Credit Weight: 3
Transcript Title: M.Sc. Graduate Seminar 2
Calendar Title: M.Sc. Graduate Seminar 2.
Description:
Presentation on a selected topic, research proposal or research results based on progress in degree work (M.Sc.2).

Administering Faculty: Graduate Studies
Teaching Department: Food Science&Agr.Chemistry
Status (catalog level): Active

FDSC 697
Credit Weight: 6
Transcript Title: M.Sc. Project Part 1
Calendar Title: M.Sc. Project Part 1.
Description:
A critical review of the current state of knowledge of some aspect of Food Science or Technology.

Notes:
Restriction: Must be registered in the M.Sc. in Food Science and Agricultural Chemistry; Non-Thesis Food Science.
Administering Faculty: Graduate Studies
Teaching Department: Food Science & Agr. Chemistry
Status (catalog level): Active

FDSC 698
Credit Weight: 6
Transcript Title: M.Sc. Project Part 2
Calendar Title: M.Sc. Project Part 2.
Description:
A critical review of the current state of knowledge of some aspects of Food Science or Technology.
Notes:
Prerequisite: FDSC 697.
Restriction: Must be registered in the M.Sc. in Food Science and Agricultural Chemistry; Non-Thesis-Food Science.
Administering Faculty: Graduate Studies
Teaching Department: Food Science & Agr. Chemistry
Status (catalog level): Active

FDSC 700
Credit Weight: 0
Transcript Title: Comprehensive Preliminary Exam
Calendar Title: Comprehensive Preliminary Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
See Faculty Regulations
Administering Faculty: Graduate Studies
Teaching Department: Food Science & Agr. Chemistry
Status (catalog level): Active

FDSC 725
Credit Weight: 3
Transcript Title: Advanced Topics in Food Science
Calendar Title: Advanced Topics in Food Science.
Description:
Selected subjects related to advancements taking place in the discipline of Food Science will be studied to gain an in-depth understanding of their principles, application and potential impact.
Notes:
Restrictions: Restricted to Ph.D. students in Food Science. Not open to students who have taken FDSC 625.
Administering Faculty: Graduate Studies
Teaching Department: Food Science & Agr. Chemistry
Status (catalog level): Active

FDSC 797
Credit Weight: 3
Transcript Title: Ph.D. Graduate Seminar 1
**Calendar Title:** Ph.D. Graduate Seminar 1.
**Description:**
Presentation on a selected topic, research proposal or research results based on progress in degree work (Ph.D.).
**Administering Faculty:** Graduate Studies
**Teaching Department:** Food Science&Agr.Chemistry
**Status (catalog level):** Active

**FDSC 798**
**Credit Weight:** 3

**Transcript Title:** Ph.D. Graduate Seminar 2

**Calendar Title:** Ph.D. Graduate Seminar 2.
**Description:**
Presentation on a selected topic, research proposal or research results based on progress in degree work (Ph.D.).
**Administering Faculty:** Graduate Studies
**Teaching Department:** Food Science&Agr.Chemistry
**Status (catalog level):** Active
FIGA NU0

Credit Weight: 0
Transcript Title: Arts U0 Advising
Calendar Title: Arts U0 Advising.
Description:
Pilot project for Faculty of Arts advisors to deliver advising information via WebCT to new U0 Freshman students.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active
FIGE JS01
Credit Weight: 0
Transcript Title: Novice & Veteran Teachers
Calendar Title: Novice & Veteran Teachers.
Description:
Experiences of delight in teaching from the novice and veteran teacher perspectives.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE JS02
Credit Weight: 0
Transcript Title: Opportunities for Youth Action
Calendar Title: Opportunities for Youth Action.
Description:
How to strengthen community through teacher and youth action.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE JS03
Credit Weight: 0
Transcript Title: To Be a Leader
Calendar Title: To Be a Leader.
Description:
What does it take to be a leader? How to lead?
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE JS04
Credit Weight: 0
Transcript Title: Community & School Success
Calendar Title: Community & School Success.
Description:
The ins and outs of how to run a successful community project from someone who's done it all!
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE JS05
Credit Weight: 0
Transcript Title: Mindfulness in Schools
Calendar Title:
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE JS06
Credit Weight: 0
Transcript Title: Burnout Prevention
Calendar Title:
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active
FIGE JS07
Credit Weight: 0
Transcript Title: Enhancing Self-Care
Calendar Title:
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE JS08
Credit Weight: 0
Transcript Title: QPAT Info Session
Calendar Title:
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

FIGE KN01
Credit Weight: 0
Transcript Title: Keynote Presentation
Calendar Title: Keynote Presentation.
Description:
Teacher Leadership and Youth Action: Community engagement and beyond! With special guest speaker.
Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active
FIGF PMCE
Credit Weight: 0
Transcript Title: Proj McGill-Comm écrite int/av
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FIGF PMCO
Credit Weight: 0
Transcript Title: Proj McGill-Comm orale int/ava
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active
FIGG GS1
Credit Weight: 0
Transcript Title: Diving into the Research Pool
Calendar Title: Diving into the Research Pool: A Professional Development Workshop for Graduate Students
Description:
Get the information you need. Gather useful tips on how to broaden and refine your research topic in this hands-on session. Move from known sources of information to less obvious avenues, to find relevant information for your research. Part of the MyResearch graduate seminar series, a collaborative offering of McGill Libraries, Graduate and Postdoctoral Studies, and Teaching and Learning Services.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG GS2
Credit Weight: 0
Transcript Title: Going Deeper
Calendar Title: Going Deeper: A Professional Development Workshop for Graduate Students.
Description:
Refine your search. Reach an advanced level in resource discovery in this hands-on session. Understand discipline-specific resources and how to access specific types of information resources, to give you the edge in your research. Part of the MyResearch graduate seminar series, a collaborative offering of McGill Libraries, Graduate and Postdoctoral Studies, and Teaching and Learning Services.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG MYR1
Credit Weight: 0
Transcript Title: EndNote Essentials
Calendar Title: EndNote Essentials.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG MYR2
Credit Weight: 0
Transcript Title: Research Tool Kit
Calendar Title: Research Tool Kit.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG MYR3
Credit Weight: 0
Transcript Title: Search Strategies & Techniques
Calendar Title: Search Strategies & Techniques.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG MYR4
Credit Weight: 0
Transcript Title: Getting Your Research Out
Calendar Title: Getting Your Research Out.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG TL01
Credit Weight: 0
Transcript Title: Learning to Teach AM Session
Calendar Title: Learning to Teach: A Professional Development Workshop for Graduate Students.
Description: Learning to Teach: A Professional Development Workshop for Graduate Students at McGill.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG TL02
Credit Weight: 0
Transcript Title: Learning to Teach MM Session
Calendar Title: Learning to Teach: A Professional Development Workshop for Graduate Students.
Description: Learning to Teach: A Professional Development Workshop for Graduate Students at McGill.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG TL03
Credit Weight: 0
Transcript Title: Learning to Teach PM Session
Calendar Title: Learning to Teach: A Professional Development Workshop for Graduate Students.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG TL04
Credit Weight: 0
Transcript Title: Learning to Teach PM Session
Calendar Title: Learning to Teach: A Professional Development Workshop for Graduate Students.
Administering Faculty: Graduate Studies
Teaching Department: Grad & Postdoc Studies (Dean)
Status (catalog level): Active

FIGG WS1
Credit Weight: 0
Transcript Title: Grantsmanship for Gr. Students
Calendar Title: Grantsmanship for Graduate Students.
Description: In this interactive workshop, we will help you discover the difference between a program of research versus a project, and identify the realities of grant writing, including: how to assess your preparedness to apply, creating a timeline for developing a proposal, tips on how to make it more competitive, and components of
an effective budget.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Grad & Postdoc Studies (Dean)

**Status (catalog level)**: Active
FIGI GIG1

Credit Weight: 0
Transcript Title: Entrepreneurship Science-based
Calendar Title: Entrepreneurship Science-based.
Description:
This graduate interest group will offer the opportunity to learn about ENTREPRENEURSHIP and the process behind turning science-based ideas into successful products. It takes more than an excellent technology to successfully commercialize a product. Other factors such as freedom to operate, patent protection, market access and requisite infrastructure are equally essential. Meet and discuss what it takes with experienced achievers in that domain.
Notes:
FIGI courses carry no credit and there is no charge. First seminar January 18, 2012.
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FIGI GIG2

Credit Weight: 0
Transcript Title: Career Seminar for U3 Students
Calendar Title: Career Seminars for U3 Students.
Description:
Designed for all final year science students, this seminar series will focus on educating and exposing students to a variety of career options. Meetings will vary from company tours, to guest speakers, to meeting industry leaders. This is your chance to see first-hand the career opportunities that lay beyond the Roddick gates.
Notes:
FIGI courses carry no credit and there is no charge.
First seminar January 13, 2015.
For more information and to see how to register, refer to www.mcgill.ca/science/student/gig
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FIGI GIG3

Credit Weight: 0
Transcript Title: Beyond Your Degree
Calendar Title:
Description:
Designed for all final year Bachelor of Science and Bachelor of Arts and Science students, this seminar series will focus on options after graduation including internships, graduate school, options in the workforce and changing career paths.
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active
FIGM TRP
Credit Weight: 0
Transcript Title: Meet McGill - Toronto
Calendar Title: 
Description:
Meet McGill Trip sponsored by Career Services, Desautels Faculty of Management.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
FIGN CPRT  
Transcript Title: CPR Training for Nurses  
Calendar Title: CPR Training for Nurses.  
Description: CPR Training for Nursing students.  
Notes: The cost for the training course is $80.25. The charge is non-refundable (even if you deregister or do not complete the online component and/or attend the in-person component). The $80.25 will be charged to your Student Account once you register and can not be refunded.  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

FIGN MPST  
Transcript Title: Moving Pts Safely Training  
Calendar Title: Moving Patients Safely Training.  
Description: Moving Patients Safely Training for Nursing students.  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

FIGN SFTK  
Transcript Title: Safe Talk Workshop  
Calendar Title:  
Description: A half day workshop preparing students to be a suicide-alert 'helper'.  
Notes: This non-credit course has a fee of $50 that supports the cost of the one-day Safe Talk Workshop offered on campus.  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active
FIGS 196
Credit Weight: 0
Transcript Title: Freshman Interest Groups
Calendar Title: Freshman Interest Groups.
Notes:
Fall
Administrating Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active
FILM 499
Credit Weight: 3
Transcript Title: Internship: World Cinemas
Calendar Title: Internship: World Cinemas.
Description:
Internship with an approved host institution or organization.
Notes:
Prerequisite(s): Permission of the World Cinemas Program Chair.
Restriction(s): Open to U2 and U3 B.A. students in World Cinemas after completing 30 credits of a 90 credit program or 45 credits of a 96-120 credit program, a minimum CGPA of 3.2.
This course will normally not fulfill program requirements for seminar or 400-level courses. Students register in the Fall semester for Summer internships.
Administering Faculty: Faculty of Arts
Teaching Department: English
Status (catalog level): Active
FINE 342
Credit Weight: 3
Transcript Title: Corporate Finance
Calendar Title: Corporate Finance.
Description:
In-depth study of corporate finance, risk, diversification, portfolio analysis, and capital market theory.
Notes:
Prerequisite: MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 434
Credit Weight: 3
Transcript Title: Topics in Finance 1
Calendar Title: Topics in Finance 1.
Description:
Topics will be selected from current issues in the Finance Area.
Notes:
Prerequisite: MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 435
Credit Weight: 3
Transcript Title: Advanced Topics in Finance
Calendar Title: Advanced Topics in Finance.
Description:
Advanced topics will be selected from current issues in the Finance Area.
Notes:
Prerequisite(s): MGCR 341 and FINE 441
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 440
Credit Weight: 3
Transcript Title: Honours IM Research Project 1
Calendar Title: Honours Investment Management Research Project 1.
Description:
Research work on company, industry, risk management, strategy and macro research reports, contemporary issues in finance presented by market practitioners.
Notes:
Restriction: Restricted to U2 students in B.Com.; Honours in Investment Management program.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

FINE 440D1
Credit Weight: 1.5
Transcript Title: Honours IM Research Project 1
Calendar Title: Honours Investment Management Research Project 1.
Description:
Research work on company, industry, risk management, strategy and macro research
reports, contemporary issues in finance presented by market practitioners.

Notes:
Restriction: Restricted to U2 students in B.Com.; Honours in Investment Management program.
Students must also register for FINE 440D2

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 440D2
Credit Weight: 1.5
Transcript Title: Honours IM Research Project 1
Calendar Title: Honours Investment Management Research Project 1.
Description:
Research work on company, industry, risk management, strategy and macro research reports, contemporary issues in finance presented by market practitioners.

Notes:
No credit will be given for this course unless both FINE 440D1 and FINE 440D2 are successfully completed in consecutive term.
Prerequisite: FINE 440D1

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 441
Credit Weight: 3
Transcript Title: Investment Management
Calendar Title: Investment Management.
Description:
Application of investment principles and security analysis to the selection and comparison of equity and fixed income securities in the current economic and financial environment. Also covered are: determinants of stock prices, growth models and portfolio diversification.

Notes:
Prerequisite: MGCR 341

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 442
Credit Weight: 3
Transcript Title: Capital Markets & Institutions
Calendar Title: Capital Markets and Institutions.
Description:
Functions of the capital market through flow of funds analysis and an examination of portfolio activities of financial intermediaries. Also covered are: securities regulations and ethical considerations, the term structure of interest rates and risk and rates of return in debt and equity markets.

Notes:
Prerequisite: MGCR 341

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 443
Credit Weight: 3
Transcript Title: Applied Corporate Finance
Calendar Title: Applied Corporate Finance.
Description:
Concepts and techniques are applied to problems faced by managers in Corporate Finance, such as working capital management, capital budgeting, capital structure, dividend policy, cost of capital, and mergers and acquisition. Application of theory and techniques through case studies.
Notes:
Prerequisite: FINE 342
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 444
Credit Weight: 3
Transcript Title: Security Trad. & Market Making
Calendar Title: Security Trading and Market Making.
Description:
Half theory and half practical exercises using Rotman Interactive Trader software in the trading lab. Theory: principles of trading in different asset classes. Software simulated cases: the actual market environment is simulated where class participants trade in real time. As the market is running, students, given previously prepared strategies, start affecting market prices and see their profit and losses, given the strategies they implement.
Notes:
Corequisite: FINE 441
Prerequisite(s): MGCR 341
Restriction(s): Not open to students who have taken FINE 434 when the topic was "Managing the Risk of Trading Strategies".
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 445
Credit Weight: 3
Transcript Title: Real Estate Finance
Calendar Title: Real Estate Finance.
Description:
Fundamentals of mortgages from the viewpoint of both consumer and the firm. Emphasis on legal, mathematical and financial structure, provides a micro basis for analysis of the functions and performance of the mortgage market, in conjunction with the housing market.
Notes:
Prerequisite: MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 446
Credit Weight: 3
Transcript Title: Behavioural Finance
Calendar Title: Behavioural Finance.
Description:
This course will focus on how, why and to what extent our "humanness" affects decision making pertaining to financial issues. Until Kahneman and Tversky came out with their landmark work, known as prospect theory, economics was based on the notion that individuals, companies, and even countries make decisions based on
their financial self-interest. In fact this is one of the tenets of modern portfolio theory. Topics covered in the course include loss aversion, the disposition effect, the framing effect, and the endowment effect.

Notes:
Prerequisite(s): MGCR 341.
Restriction(s): Not open to students who have taken FINE 434 when topic was "Behavioural Finance".

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 447
Credit Weight: 3
Transcript Title: Venture Capital & Ent Finance
Calendar Title: Venture Capital and Entrepreneurial Finance.
Description: This course is designed to provide an introduction to the startup production process with an emphasis on the institutions, processes, and problem solving approaches used in the financing of startup activity. The primary focus of the course is the venture capital industry though classroom discussions will also touch upon alternative funding channels like angel investors, accelerators and incubators, crowdfunding platforms, etc.

Notes:
Prerequisite(s): MGCR 341.
Restriction(s): Not open to students who have taken FINE 434 when topic was "Venture Capital and Entrepreneurial Finance".

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 448
Credit Weight: 3
Transcript Title: Financial Derivatives
Calendar Title: Financial Derivatives.
Description: The course will concentrate on both the analytical and practical aspects of investments in options and futures. The first part of the course concentrates on option and futures valuation, considering both discrete and continuous time models. The second part of the course concentrates on the practical aspects of options and futures trading.

Notes:
Prerequisite: MGSC 372 or equivalent and MGCR 341.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 449
Credit Weight: 3
Transcript Title: Risk Management in Finance
Calendar Title: Risk Management in Finance.
Description: Understanding, quantifying, and managing different types of financial risks. A broad overview of the tools required of someone pursuing a career in risk management, whether it is at a bank, an asset management fund, or a non-financial business. Topics include corporate hedging with derivatives, volatility and correlation modelling, non-normal distributions, Monte Carlo and historical simulations, liquidity risk, and capital requirements.
Notes:
Prerequisites: FINE 441 and MGSC 372 or equivalent.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 450
Credit Weight: 3
Transcript Title: Honours IM Research Project 2
Calendar Title: Honours Investment Management Research Project 2.
Description:
Continuation of research work on company, industry, risk management, strategy and macro research reports, contemporary issues in finance presented by market practitioners.

Notes:
Prerequisite: FINE 440
Restriction: Restricted to U3 students in B.Com.; Honours in Investment Management program.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

FINE 450D1
Credit Weight: 1.5
Transcript Title: Honours IM Research Project 2
Calendar Title: Honours Investment Management Research Project 2.
Description:
Continuation of research work on company, industry, risk management, strategy and macro research reports, contemporary issues in finance presented by market practitioners.

Notes:
Prerequisite: FINE 440 or FINE 440D1/D2
Restriction: Restricted to U3 students in B.Com.; Honours in Investment Management program.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 450D2
Credit Weight: 1.5
Transcript Title: Honours IM Research Project 2
Calendar Title: Honours Investment Management Research Project 2.
Description:
See full course description in FINE 450D1.

Notes:
Restriction: Restricted to U3 students in B.Com.; Honours in Investment Management program.
Prerequisite: FINE 440 or 440D1/D2 and FINE 450D1.
No credit will be given for this course unless both FINE 450D1 and FINE 450D2 are successfully completed in consecutive terms.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 451
Credit Weight: 3
Transcript Title: Fixed Income Analysis
Calendar Title: Fixed Income Analysis.
Description:
Fixed income financial instruments and their uses for both financial engineering and risk management (at the trading desk and aggregate firm level). This will involve coverage of fixed income mathematics, risk management concepts, term structure modeling, derivatives valuation and credit risk analysis.
Notes:
Prerequisite: FINE 441
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 452
Credit Weight: 3
Transcript Title: Applied Quantitative Finance
Calendar Title: Applied Quantitative Finance.
Description:
The course is built around a series of practical applications (backtesting trading strategies, yield curve modelling, derivatives hedging) and consists of lab sessions where lectures are mixed with time and support for solving the tasks in Matlab. No programming experience is required, but a willingness to learn is.
Notes:
Prerequisite(s): MGCR 341 and MGCR 271 or equivalent
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 455
Credit Weight: 3
Transcript Title: Alternative Investments
Calendar Title: Alternative Investments.
Description:
Alternative asset classes and analysis of the expected risk and return on alternative investment strategies including long-short equity, convertible arbitrage, managed futures, and quantitative trading strategies. Alternative investment strategies include commodities, derivatives, hedged strategies, real estate, private equity and venture capital.
Notes:
Prerequisite(s): FINE 441
Corequisite(s): FINE 448 and FINE 451
This course is restricted to students in the Honours Investment Management program.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 456
Credit Weight: 3
Transcript Title: Hedge Fund Strategies & Trading
Calendar Title: Hedge Fund Strategies and Trading.
Description:
Introduction to hedge fund investment strategies that seek to generate alpha and alternative beta by using securities selection, market timing, position sizing, and risk management. Execution of these strategies in a cross-asset context that includes fixed income, commodities, equities, and foreign exchange.
Notes:
Prerequisite: MGCR 341
Restriction: Not open to students who have taken FINE 434 when topic was "Trading in Financial Securities".
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 460
Credit Weight: 3
Transcript Title: Financial Analytics
Calendar Title: Financial Analytics.
Description:
An extensive study of the empirical methods casually used in the different subfields of finance. Examination of the most popular statistics models used in finance, both from a theoretical and practical point of view. An important emphasis will be put on the distinction between models of financial mechanisms, and those motivated purely by efficacy.
Notes:
Prerequisites: MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 464
Credit Weight: 3
Transcript Title: Pension Funds & Retirement Sys
Calendar Title: Pension Funds and Retirement Systems.
Description:
Challenges that pension fund managers currently face. Principles of asset-liability management, the common risks to retirement income, long-term investment strategies, the design of retirement systems around the world, and the current retirement savings shortfall.
Notes:
Prerequisite: FINE 441
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 465
Credit Weight: 3
Transcript Title: Sustainable Finance
Calendar Title: Sustainable Finance.
Description:
Exploration of the financial implications associated with climate change and the transition to a low carbon economy. Topics covered include the integration of environmental, social and governance (ESG) considerations into the decision-making process of investment managers and corporate financial managers, including conducting a sustainability analysis for a company in an investment context.
Notes:
Prerequisites: MGCR 341
Restrictions: Not open to students who have taken FINE 434 when topic was "Sustainable Finance".
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
FINE 477
Credit Weight: 3
Transcript Title: Fintech for Business & Finance
Calendar Title: Fintech for Business and Finance.
Description: Digital technologies and their strategic impact on businesses. FinTech as source of financing, means to learn/engage the market, wider financial inclusion, vehicles for individual investment in innovation. Securities/reward-based crowdfunding, digital payments/transfers, blockchain, crypto-tokens and smart contracts. Theoretical tools from game theory, strategy, corporate finance and economics. Connections to technology firms, platform businesses, traditional banking and venture capital.
Notes:
Prerequisites: MGCR 341, MGCR 293
Restrictions: Open to U2, U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 482
Credit Weight: 3
Transcript Title: International Finance 1
Calendar Title: International Finance 1.
Description: The international financial environment as it affects the multinational manager. Balance of payments concepts, adjustment process of the external imbalances and the international monetary system. In depth study of the institutional and theoretical aspects of foreign exchange markets; international capital markets, including Eurobonds and eurocredit markets.
Notes:
Prerequisite: MGCR 341
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 490
Credit Weight: 3
Transcript Title: Mergers & Corp Reorganizations
Calendar Title: Mergers and Corporate Reorganizations.
Description: Mergers, acquisitions, and leveraged buyouts or restructurings in bankruptcy in relation to corporate governance. Conceptual aspects of these transactions (their purposes, executions, and structures), as well as applied aspects such as their valuations and implications on firm value.
Notes:
Prerequisite: FINE 342
Restriction: Not open to students who have taken FINE 434 and/or FINE 492 when topic was 'Mergers and Corporate Reorganizations'.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 492
Credit Weight: 3
Transcript Title: Int'l Corporate Finance
**Calendar Title:** International Corporate Finance.

**Description:**
Focus on the financial and operational management of multinational enterprises including (but not limited to) financing and capital budgeting decisions, corporate governance and its implications on valuation and control, and recent developments in international capital markets.

**Notes:**
Prerequisite: FINE 342

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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FINE 496

**Credit Weight:** 3

**Transcript Title:** R for Investment

**Calendar Title:** R for Investment.

**Description:**
Exploration of programming skills (in the widely used software ¿R¿) needed to put finance theory into practice. Implementation and evaluation of quantitative trading strategies based on underlying `factor risks`.

**Notes:**
Prerequisites: MGCR 341 and FINE 441

Restrictions: Not open to students who have taken FINE 435 when topic was "R for Finance".

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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FINE 541N1

**Credit Weight:** 1.5

**Transcript Title:** Applied Investments

**Calendar Title:** Applied Investments.

**Description:**
Students are exposed to practical aspects of managing investment portfolios. A principal activity of students is participation in the management of a substantial investment fund.

**Notes:**
Corequisite (Undergraduate): FINE 441. Limited enrolment.

Prerequisite: MGCR 341

Students must also register for FINE 541N2

No credit will be given for this course unless both FINE 541N1 and FINE 541N2 are successfully completed in a twelve month period

Restriction: Open to U2 students. Open to U3 students returning for an additional Fall term, who must register by emailing the BCom Office.

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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FINE 541N2

**Credit Weight:** 1.5

**Transcript Title:** Applied Investments

**Calendar Title:** Applied Investments.

**Description:**
See FINE 541N1 for course description.

**Notes:**
Prerequisite: FINE 541N1
No credit will be given for this course unless both FINE 541N1 and FINE 541N2 are successfully completed in a twelve month period

Restriction: Open to U2 students. Open to U3 students returning for an additional Fall term, who must register by emailing the BCom Office.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 547
Credit Weight: 3
Transcript Title: Advanced Finance Seminar
Calendar Title: Advanced Finance Seminar.
Description:
Selected topics will be discussed by Faculty members, invited guest speakers, and the students. Each student is required to select a topic for study and prepare a written report for presentation.

Notes:
Undergraduate Prerequisites: FINE 441 and FINE 443.
Graduate Prerequisite: MGCR 651.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

FINE 620
Credit Weight: 3
Transcript Title: Corporate Mergers
Calendar Title: Corporate Mergers.
Description:
This course deals with the rationale, structuring, shareholder value creation, financial implications and management of corporate joint ventures, alliances, mergers and acquisitions, including discussion of the external and internal reasons for these alliances and combinations and the steps taken to create structure and value and then to manage their implementation.

Notes:
Prerequisite: FINE-622.
Restriction: MBA students only.
Note: This course requires advance preparation based on each new case study presented each week.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 622
Credit Weight: 3
Transcript Title: Modern Corporate Finance
Calendar Title: Modern Corporate Finance.
Description:
Foundations of modern corporate finance theory. Key topics: Capital structure in a perfect market as well as imperfections arising from debt and taxes, and bankruptcy costs. Dividend and payout policy. Capital budgeting and valuation with leverage. Corporate governance. Corporate risk management.

Notes:
Prerequisite: MGCR-651 Managing Resources.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
FINE 630
Credit Weight: 3
Transcript Title: Fixed Income Markets
Calendar Title: Fixed Income Markets.
Description:
Fixed income securities and their uses for financial engineering as well as risk management at both the trading desk and the aggregate firm level. This will involve a treatment of basic fixed income mathematics, risk management concepts, term structure modelling, derivatives valuation theory and credit risk analysis.
Notes:
Prerequisite: FINE 646.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 632
Credit Weight: 3
Transcript Title: Global Environment and Economic Policies
Calendar Title: Global Environment and Economic Policies.
Description:
Survey of the frameworks and tools that managers use to analyze the macro-economic environment in which organizations operate. Emphasizes macro-economic theories to show the links between the domestic economic environment and changes in the global economy. Includes theories of trade, fiscal and monetary policy, interest rates, exchange rates, balance of payments, trading blocs and currency unions, growth, economic development, and financial integration.
Notes:
Restriction: Open only to students in the Desautels Faculty of Management
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 639
Credit Weight: 3
Transcript Title: Derivatives & Risk Management
Calendar Title: Derivatives and Risk Management.
Description:
This course studies the field of investments related to options and futures. The course will concentrate on trading strategies and analytical models for valuing options and futures contacts.
Notes:
Prerequisite: MGCR-651.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 645
Credit Weight: 3
Transcript Title: Money and Capital Markets
Calendar Title: Money and Capital Markets.
Description:
Demand for and supply of money and other financial instruments by and to banks and near banks. Simple analytical models integrating the Canadian Institutional aspects. The role of the banking sector in the money creation process. International aspects of monetary policy.
Notes:
Prerequisite: MGCR-651.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 646
Credit Weight: 3
Transcript Title: Investments & Portfolio Mgmt
Calendar Title: Investments and Portfolio Management.
Description:
The prime objective is to provide the student with a rational framework for investment. The portfolio and capital market theory of FINE 650 is extended and the empirical evidence supporting these and competing hypotheses is investigated for both individual securities and portfolios.
Notes:
Prerequisite: MGCR 651
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 648
Credit Weight: 3
Transcript Title: Applied Corporate Finance
Calendar Title: Applied Corporate Finance.
Description:
Concepts and techniques developed in earlier courses are extended and/or applied to problems faced by managers in Corporate Finance. Such problems include: working capital management, capital budgeting, capital structure, dividend policy, cost of capital and mergers and acquisitions. Stresses the application of theory and techniques and extensive use is made of case studies.
Notes:
Prerequisite: FINE-622 Modern Corporate Finance.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 664
Credit Weight: 3
Transcript Title: Mng Pension & Retirement Funds
Calendar Title: Managing Pension and Retirement Funds.
Description:
The management of pension and retirement funds, including the essentials of liability-hedging strategies, long-term portfolio strategies across multiple asset classes, and the integration of Environmental, Social, and Governance (ESG) standards in the investment process. The differences in retirement systems around the world and how to design a sustainable retirement system.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 665
Credit Weight: 3
Transcript Title: Invest. Strat. & Beh. Finance
Calendar Title: Investment Strategies and Behavioural Finance.
Description:
To gain understanding of the interrelation between fundamental and behavioural approaches in exploring financial market dynamics, investment strategies and performance.

Notes:
Prerequisite: FINE 646 - Investments and Portfolio Management.
Restriction: M.B.A. students only.
Note: This course requires usage of various financial databases.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 670
Credit Weight: 3
Transcript Title: Fundamentals of Financial Research
Calendar Title: Fundamentals of Financial Research.
Description:
Research methodology, where a research project will be carried out under the supervision of the Faculty supervisor. Specific tools will be tailored based on a particular research topic and the recommendations of the supervisor.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 671
Credit Weight: 9
Transcript Title: Applied Finance Project
Calendar Title: Applied Finance Project.
Description:
Research project supervised by a Faculty member of the Desautels Faculty of Management.

Notes:
Prerequisite: FINE 670

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 671D1
Credit Weight: 4.5
Transcript Title: Applied Finance Project
Calendar Title: Applied Finance Project.
Description:
Research project supervised by a Faculty member of the Desautels Faculty of Management.

Notes:
Prerequisite: FINE 670
Students must register for both FINE 671D1 and FINE 671D2
No credit will be given for this course unless both FINE 671D1 and FINE 671D2 are successfully completed in consecutive terms
FINE 671D1 and FINE 671D2 together are equivalent to FINE 671

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 671D2
Credit Weight: 4.5
Transcript Title: Applied Finance Project
Calendar Title: Applied Finance Project.
Description:
For course description see FINE 671D1.
Notes:
Prerequisite: FINE 671D1
No credit will be given for this course unless both FINE 671D1 and FINE 671D2 are successfully completed in consecutive terms.
FINE 671D1 and FINE 671D2 together are equivalent to FINE 671.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 671N1
Credit Weight: 4.5
Transcript Title: Applied Finance Project
Calendar Title: Applied Finance Project.
Description:
Research project supervised by a Faculty member of the Desautels Faculty of Management.
Notes:
Prerequisite: FINE 670
Students must also register for FINE 671N2
No credit will be given for this course unless both FINE 671N1 and FINE 671N2 are successfully completed in a twelve month period.
FINE 671N1 and FINE 671N2 together are equivalent to FINE 671.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 671N2
Credit Weight: 4.5
Transcript Title: Applied Finance Project
Calendar Title: Applied Finance Project.
Description:
For description see FINE 671N1.
Notes:
Prerequisite: FINE 671N1
No credit will be given for this course unless both FINE 671N1 and FINE 671N2 are successfully completed in a twelve month period.
FINE 671N1 and FINE 671N2 together are equivalent to FINE 671.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 673
Credit Weight: 3
Transcript Title: Finance Fundamentals
Calendar Title: Finance Fundamentals.
Description:
Quantitative finance, including mathematics, statistics and financial economics.
Notes:
**Although this course follows a MTWRF morning class schedule, it also follows a MWF afternoon class schedule on August 19, 21 and 26.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the seventh lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 674
Credit Weight: 3
Transcript Title: Fintech
Calendar Title: Fintech.
Description:
Exploration of the impact of information technologies on financial systems. How the digitalization of payments affect the structure of the banking system and sustains financial inclusion. Basic principles of cryptography and use them to understand the architecture of large permissionless blockchains. The capabilities and limitations of this technology as well as its developments (permissioned blockchains, smart contract, stablecoins). The role of platforms in the development of new financial technologies and the role of artificial intelligence in finance.
Notes:
Restrictions: Not open to students who have taken FINE 691 when topic was "Fintech".

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 675
Credit Weight: 1.5
Transcript Title: FinL Val Anlytcs for Startups
Calendar Title: Financial Valuation Analytics for Startups.
Description:
Introduction to finance with an emphasis on analytics, focusing on how the merger of analytics and finance plays a first order role for startups and the decision to accelerate growth.
Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.
**Web ADD only.
**No web drop allowed.
**Web withdrawal not applicable.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 678
Credit Weight: 3
Transcript Title: Financial Economics
Calendar Title: Financial Economics.
Description:
Theoretical foundations of modern financial economics, including the principles underlying the theoretical results on individual portfolio decisions under uncertainty and the implications for the valuation of securities.
Notes:
Prerequisite: FINE 673.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 679
Credit Weight: 3
Transcript Title: Corporate Finance Theory
Calendar Title: Corporate Finance Theory.
Description:
Fund raising for companies: The choice between long-term debt and equity. The basic concepts of valuing a company.
Notes:
Prerequisite: FINE 673.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 680
Credit Weight: 3
Transcript Title: Investments
Calendar Title: Investments.
Description:
Financial markets, portfolio theory, and portfolio management.
Notes:
Prerequisite: FINE 673.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 681
Credit Weight: 3
Transcript Title: International Capital Markets
Calendar Title: International Capital Markets.
Description:
International finance, including comprehensive analysis of the institutions and the theoretical models that characterize open economies.
Notes:
Prerequisite: FINE 673.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 682
Credit Weight: 3
Transcript Title: Derivatives
Calendar Title: Derivatives.
Description:
Introduction to the valuation and hedging of derivatives contracts such as options, futures and forwards.
Notes:
Prerequisite: FINE 673.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
FINE 683
Credit Weight: 3
Transcript Title: Advanced Corporate Finance
Calendar Title: Advanced Corporate Finance.
Description: Financial tools required for good business decisions, focusing on the relation between finance and corporate strategy.
Notes: Prerequisite: FINE 679.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 684
Credit Weight: 3
Transcript Title: Fixed Income Analysis
Calendar Title: Fixed Income Analysis.
Description: Fixed income financial instruments and their uses for financial engineering and risk management.
Notes: Prerequisite: FINE 682.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 685
Credit Weight: 3
Transcript Title: Market Risk Management
Calendar Title: Market Risk Management.
Description: Measuring and managing risks facing corporations, focusing on aspects of market risks.
Notes: Prerequisite: FINE 682.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 686
Credit Weight: 3
Transcript Title: Global Corporate Finance
Calendar Title: Global Corporate Finance.
Description: Multinational financial management, including quantitative approach to tackle issues currently faced by multinational corporations and all enterprises interested in accessing global markets.
Notes: Prerequisite: FINE 681.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 687
Credit Weight: 3
Transcript Title: Global Investments
Calendar Title: Global Investments.
Description:
Top-down portfolio management skills, including basic understanding of the global investment approach.
Notes:
Prerequisite: FINE 681.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 688
Credit Weight: 3
Transcript Title: Mergers and Acquisitions
Calendar Title: Mergers and Acquisitions.
Description:
Mergers and acquisition (M&A) activities and the processes used to successfully accomplish and create shareholder value from these activities. Joint ventures and alliances, governance and regulatory, cross border M&A, divestitures.
Notes:
Prerequisite: FINE 679.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 689
Credit Weight: 12
Transcript Title: Integrative Finance Project
Calendar Title: Integrative Finance Project.
Description:
Supervised research project.
Notes:
Prerequisite: 33 credits completed in the regular coursework of the Master of Management in Finance Program. The proposal must be submitted by the student at the beginning of the project and accepted by a finance faculty member and by the master's program.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 689N1
Credit Weight: 6
Transcript Title: Integrative Finance Project
Calendar Title: Integrative Finance Project.
Description:
Supervised research project.
Notes:
Students must also register for FINE 689N2
No credit will be given for this course unless both FINE 689N1 and FINE 689N2 are successfully completed in a twelve month period
FINE 689N1 and FINE 689N2 together are equivalent to FINE 689
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 689N2
Credit Weight: 6
Transcript Title: Integrative Finance Project
Calendar Title: Integrative Finance Project
Description:
Integrative Finance Project.
Notes:
Prerequisite: FINE 689N1
No credit will be given for this course unless both FINE 689N1 and FINE 689N2 are successfully completed in a twelve month period
FINE 689N1 and FINE 689N2 together are equivalent to FINE 689
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 690
Credit Weight: 3
Transcript Title: Advanced Topics in Finance 1
Calendar Title: Advanced Topics in Finance 1.
Description:
Review of current topics in finance.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 690N1
Credit Weight: 1.5
Transcript Title: Advanced Topics in Finance 1
Calendar Title: Advanced Topics in Finance 1.
Description:
Review of current topics in finance.
Notes:
Students must also register for FINE 690N2
No credit will be given for this course unless both FINE 690N1 and FINE 690N2 are successfully completed in a twelve month period
FINE 690N1 and FINE 690N2 together are equivalent to FINE 690
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 690N2
Credit Weight: 1.5
Transcript Title: Advanced Topics in Finance 1
Calendar Title: Advanced Topics in Finance 1.
Description:
Review of current topics in finance.
Notes:
Prerequisite: FINE 690N1
No credit will be given for this course unless both FINE 690N1 and FINE 690N2 are successfully completed in a twelve month period
FINE 690N1 and FINE 690N2 together are equivalent to FINE 690
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 691
Credit Weight: 3
Transcript Title: Advanced Topics in Finance 2
Calendar Title: Advanced Topics in Finance 2.
Description:
Current topics in finance.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 692
Credit Weight: 3
Transcript Title: Advanced Topics in Finance 3
Calendar Title: Advanced Topics in Finance 3.
Description:
Topics in finance.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 693
Credit Weight: 3
Transcript Title: Global Capital Markets
Calendar Title: Global Capital Markets.
Description:
The international financial environment as it affects the multinational manager. In-depth study of the various balance of payments concepts, adjustment of the external balance, and the international monetary system will be followed by a review of theory and institutional aspects of the foreign exchange and the international (Eurodollar) markets.
Notes:
Prerequisite: MGCR-651 Managing Resources.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 694
Credit Weight: 3
Transcript Title: International Corp. Finance
Calendar Title: International Corporate Finance.
Description:
Focus on the operational problems of financial management in the multinational enterprise: financing of international trade, determining the firm's exposure to foreign exchange rate changes, protection against exchange losses, international capital budgeting, multinational cost of capital, working capital management and international portfolio diversification.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 695
Credit Weight: 1.5
Transcript Title: Adv Topics in Fin Analytics 1
Calendar Title: Advanced Topics in Finance Analytics 1.
Description:
Advanced topics in finance analytics. Content will vary each term.
Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
Administration Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 696
Credit Weight: 1.5
Transcript Title: Adv Topics in Fin Analytics 2
Calendar Title: Advanced Topics in Finance Analytics 2.
Description:
Advanced topics in finance analytics. Content will vary each term.
Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.
**Web ADD only.
**No web drop allowed.
**Web withdrawal not applicable.
Administration Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 702
Credit Weight: 3
Transcript Title: Continuous-Time Finance
Calendar Title: Continuous-Time Finance.
Description:
Seminar in continuous-time finance.
Administration Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 703
Credit Weight: 3
Transcript Title: Empirical Research in Finance
Calendar Title: Empirical Research in Finance.
Description:
Review of empirical research in finance.
Administration Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 706
Credit Weight: 3
Transcript Title: Intro Financial Economics
Calendar Title: Introductory Financial Economics.
Description:
Review of introductory financial economics.
Administration Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

FINE 707
Credit Weight: 3  
Transcript Title: Corporate Finance  
Calendar Title: Corporate Finance.  
Description:  
Course will review mainly theoretical foundations, in addition to some empirical contributions to corporate finance and financial intermediation.  
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

FINE 709  
Credit Weight: 3  
Transcript Title: International Finance Seminar  
Calendar Title: International Finance Seminar.  
Description:  
Recent advances in international finance.  
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

FINE 710  
Credit Weight: 3  
Transcript Title: Fixed Income Securities Theory  
Calendar Title: Fixed Income Securities Theory.  
Description:  
Theoretical framework to deal with the analysis of fixed income securities and derivatives.  
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active

FINE 711  
Credit Weight: 3  
Transcript Title: Res Topics in Finl Markets Dev  
Calendar Title: Research Topics in Financial Markets Development.  
Description:  
Research topics in the development of financial markets.  
Administering Faculty: Graduate Studies  
Teaching Department: Management  
Status (catalog level): Active
FMED 301
Credit Weight: 3
Transcript Title: TCP Family Medicine
Calendar Title: TCP Family Medicine.
Description:
In this three-week course, students will build upon their knowledge of Family Medicine through a series of structured learning activities, coupled with organized clinical sessions highlighting the importance of interdisciplinary care. The various elements of this course will prepare students for clerkship by furthering their understanding of primary care, patient-centered care, and the organization of the Quebec health care system.
Notes:
Restriction: Open only to students enrolled in the M.D., C.M. program.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 405
Credit Weight: 8
Transcript Title: Family Medicine Clerkship
Calendar Title: Family Medicine Clerkship.
Description:
The overall purpose of this eight-week course is to acquaint students with the principles of family medicine. During the course, students work as part of a team, whose members may include a staff physician, a family medicine nurse and several residents. Specific clinical experiences in the disciplines of otolaryngology (OTL) and dermatology, relevant to the practice of family medicine, are included. The role of the family physician in the care of patients with mental illness is highlighted.
Notes:
Restriction: Open only to students enrolled in the M.D., C.M. program.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 500
Credit Weight: 1
Transcript Title: Intro to Research & Schol Act
Calendar Title: Introduction to Research and Scholarly Activity.
Description:
An introductory examination and discussion of topics related to health research and scholarly activity.
Notes:
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 503
Credit Weight: 1
Transcript Title: Surv Res Methods: Primary Care
Calendar Title: Survey Research Methods in Primary Care.
Description:
Operational considerations in questionnaire design, sampling, contact and recruitment of respondents, and preparation for analysis. The goal is to maximize response rates and information yield from surveys in the context of designing a questionnaire and survey plan.
Notes:
Prerequisite: Permission of instructor
Restriction: Priority to students registered in the MSc in Experimental Medicine
Family Medicine program.
Five 3-hour classes offered in English, knowledge of French will be helpful.
Knowledge of basic statistics is assumed.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 504
Credit Weight: 1
Transcript Title: Family Med. Research Seminars
Calendar Title: Family Medicine Research Seminars.
Description: Research seminars on various topics relevant to family medicine research.
Notes: Prerequisite: Permission of instructor
Restriction: Priority will be given to students registered in the MSc in Experimental Medicine Family Medicine program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 504D1
Credit Weight: 0.5
Transcript Title: Family Med. Research Seminars
Calendar Title: Family Medicine Research Seminars.
Description: Research seminars on various topics relevant to family medicine research.
Notes: Prerequisite(s): Permission of instructor if graduate student is outside the department.
Restriction(s): Open to graduate students in the Department of Family Medicine. Students must register for both FMED 504D1 and FMED 504D2
No credit will be given for this course unless both FMED 504D1 and FMED 504D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 504D2
Credit Weight: 0.5
Transcript Title: Family Med. Research Seminars
Calendar Title: Family Medicine Research Seminars.
Description: Research seminars on various topics relevant to family medicine research.
Notes: Prerequisite: FMED 504D1
No credit will be given for this course unless both FMED 504D1 and FMED 504D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 505
Credit Weight: 3
Transcript Title: Epid&Data Analy in Prim Care 1
Calendar Title: Epidemiology and Data Analysis in Primary Care 1.
Description:
An introduction of epidemiological concepts, data analysis, and methods applicable to primary care research.
Notes:
Prerequisite: Permission of instructor if graduate student is outside the department.
Open to all graduate students in Faculty of Medicine.
Priority to students registered in the MSc in Family Medicine program.
Restriction: Not open to students who have taken or are taking DENT 505
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 506
Credit Weight: 3
Transcript Title: Indigenous PerspDecolonHlthRes
Calendar Title: Indigenous Perspectives Decolonizing Health Research.
Description:
An examination and reflection of traditional Indigenous world view and ways of knowing; the Canadian colonization and assimilation experience and their outcomes and impacts; and the contemporary Indigenous health research landscape bringing Indigenous ways of knowing and practice into the field and to future studies.
Notes:
Language of Instruction: English
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 509
Credit Weight: 3
Transcript Title: Epid&Data Analy in Prim Care 2
Calendar Title: Epidemiology and Data Analysis in Primary Care 2.
Description:
Intermediate epidemiological concepts, data analysis, and methods applicable to primary care research.
Notes:
Prerequisite: FMED 505; permission of instructor if graduate student is outside the department.
Restrictions: Not open to students who have taken or are taking DENT 509.
Language of Instruction: English.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 511
Credit Weight: 1
Transcript Title: Int to Art in Hlthcre:MkgArtAc
Calendar Title: Introduction to Art in Healthcare: Making Art Accessible.
Description:
An introduction of topics related to art in healthcare and research using Open Studio Projects methodology, a replicable model used for exploring successful, sustainable, and creative interventions in healthcare settings. After this course, students will be able to use art as a tool for meaningful community engagement, healthcare delivery, and scholarly activity.
Notes:
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine.
Language of instruction: English
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 525
Credit Weight: 3
Transcript Title: Foundations of Translation Sci
Calendar Title: Foundations of Translational Science.
Description:
An overview of multidisciplinary research that bridges significant gaps between basic, clinical medicine and public policy that enables a translation of knowledge to practice.
Notes:
Language of Instruction: English.
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 527
Credit Weight: 1
Transcript Title: Inuit Health: Canadian Context
Calendar Title: Inuit Health in Canadian Context.
Description:
Exploration of the cultural roots of Inuit health prior to the arrival of Europeans; the risks to health introduced by imported disease and colonial institutions; the complexity of navigating modern health systems; and the paths to regain better health. Particular focus on the Nunavik region of Quebec.
Notes:
Restrictions: Open to students enrolled in a McGill University graduate program or permission of the instructor.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 530
Credit Weight: 3
Transcript Title: Communicating Qual Health Research
Calendar Title: Communicating Qualitative Health Research.
Description:
Communicating qualitative health research for diverse audiences, covering the personal, epistemological, and pragmatic challenges inherent in producing qualitative research for clinical and policy-oriented audiences. Reflection on what is produced and obscured through scholarly efforts to produce peer-reviewed research that meets the standards of rigour across disciplines. Examination of alternative forms of dissemination including commentary, podcast, graphic medicine, ethnographic monograph, and arts-based approaches. How intended audience shapes how research findings are framed, and applying this to research.
Notes:
Pre/Co-Requisites: FMED 625 or permission of the instructor.
Corequisite: FMED 625
Contact hours: 3 hours/week for 13 weeks.
Language of instruction: English
Sufficient background in qualitative methodology is required.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 601
Credit Weight: 3
Transcript Title: Adv Topics in Family Medicine
Calendar Title: Advanced Topics in Family Medicine.
Description: Scientific communication; curriculum design and development; professional development; and setting appropriate goals for a successful academic research program in family medicine and primary care.
Notes:
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 602
Credit Weight: 1
Transcript Title: Readings in Family Medicine
Calendar Title: Readings in Family Medicine.
Description: Advanced readings in student's area of research.
Notes:
Contact person: graduateprograms.fammed@mcgill.ca
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is July 17, 2023 and withdrawal is July 19, 2023.

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 603
Credit Weight: 1
Transcript Title: Found of Participatory Reserch
Calendar Title: Foundations of Participatory Research.
Description: Principles and main applications of modern participatory research in health organizations.
Notes:
Prerequisite: Permission of instructor if graduate student is outside the department.
Restriction: Only open to graduate students in the Department of Family Medicine.

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 604
Credit Weight: 3
Transcript Title: Adv Partic Research in Health
Calendar Title: Advanced Participatory Research in Health.
Description: Overview of participatory research with community, clinical, and organisational stakeholders. Content focuses on participatory engagement and data collection methods, while students have an opportunity to work through aspects of their participatory project with the help of group discussions, small group work, roleplay, and guest presentations from actual participatory projects.
Notes: Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine.
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 605
Credit Weight: 1
Transcript Title: AI & Analytical Dec-Mkg:Hlthcare
Calendar Title: AI and Analytical Decision-Making in Healthcare.
Description: An examination of the role of data and value informed decision-making in better health and healthcare. Includes the concepts, methods and techniques obtained from Artificial Intelligence (AI) and operations research (OR) for optimal, high quality decision-making in healthcare. Also introduces the concept of shared decision-making and its tools to meaningfully engage patients in decision-making process in healthcare.
Notes: Prerequisite: A basic course in statistics and permission from the instructor
Examples will be tailored to the interests of the students.
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 606
Credit Weight: 1
Transcript Title: Op Issues Surv Meth Prim Care
Calendar Title: Operational Issues in Survey Methods in Primary Care.
Description: Operational issues of questionnaire design, sampling, contact and recruitment of respondents and preparation for analysis that will enhance response rates and minimize errors in data collected by surveys. The content will be highly relevant for those who anticipate having a survey as part of their current or future research program.
Notes: Prerequisite: Permission of instructor
Restriction(s): Not open to students who have taken FMED 503. Priority to students registered in the MSc in Family Medicine and ad hoc PhD in Family Medicine programs.
Five 3-hour classes offered in English, knowledge of French will be helpful. Knowledge of basic statistics is assumed.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 607
Credit Weight: 1
Transcript Title: Intro DisAnal&InterHealth Res
Calendar Title: Intro to Discourse Analysis & Interpretive Health Research.
Description:
Advanced qualitative research course exploring four specific methodologies: conversation analysis, discursive psychology, critical discourse analysis and hermeneutics.
Notes:
Note: Language of Instruction: English
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 608
Credit Weight: 1
Transcript Title: Adv Mixed Meth Sem in Hlth Res
Calendar Title: Advanced Mixed Methods Seminar in Health Research.
Description:
Advanced epistemological and methodological approaches for graduate students in order to improve their understanding of the approaches and to apply them in their research projects. Students also develop the ability to read and critique peers' mixed methods research projects.
Notes:
Restriction(s): Permission of instructor. Priority given to students registered in: (1) the MSc in Family Medicine and PhD in Family Medicine and Primary Care; and then (2) any other graduate program offered by the Faculties of Medicine and of Dentistry.
Language of instruction: English. Pierre Pluye is instructor.
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 610
Credit Weight: 1
Transcript Title: Found. of Family Medicine
Calendar Title: Foundations of Family Medicine.
Description:
The history, philosophical foundations, clinical method, and key principles of family medicine within Quebec, Canada, and internationally.
Notes:
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction: Open to graduate students in the Department of Family Medicine
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 611
Credit Weight: 3
Transcript Title: Hlthcare Syst, Policy&Perform
Calendar Title: Healthcare Systems, Policy and Performance.
Description: A critical review of healthcare systems, especially primary care systems, focuses on Quebec and indicative global settings. Explores options and approaches for using evidence to influence policy and to improve primary healthcare systems, and addresses methods for evaluating performance of healthcare services.
Notes: Prerequisite: Permission of instructor if graduate student is outside the department.
Restriction(s): Open to graduate students in the Department of Family Medicine.
Language of Instruction: English.
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 612
Credit Weight: 1
Transcript Title: EvalResrch &Implementation Sci
Calendar Title: Evaluation Research and Implementation Science.
Description: An introduction of how to critically appraise available evidence to become familiar with methods specific to intervention implementation and program evaluation in the context of family medicine practice with an opportunity to develop an evaluation protocol for a specific program that responds to the expectations of clinicians-managers in primary care.
Notes: Prerequisite: Permission of instructor if graduate student is outside the department
Restriction: Open to graduate students in the Department of Family Medicine
Permission of instructor.
Language of Instruction: English. Office hours: Tuesdays 12:00 to 2:00 pm.
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 613
Credit Weight: 1
Transcript Title: Comm, Educ, & Complex Collab
Calendar Title: Communication, Education, and Complex Collaborations.
Description: Practical skills needed to effectively communicate and teach in the academic environment, including the theory and practice of health professional education research and complex collaborations.
Notes: Restriction(s): Permission of instructor.
Language of Instruction: English.
Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 614
Credit Weight: 2
Transcript Title: Founds of Mixed Methods Resrch
Calendar Title: Foundations of Mixed Methods Research.
Description:
Basic training in how to conduct mixed methods research, the most common types of mixed methods research designs, and mixed studies reviews.

Notes:
Language of Instruction: English.
Prerequisite: Permission of instructor if graduate student is outside the department.
Office hours: Tuesdays 12:00 to 2:00 pm
Restriction: Not open to students who have taken or are taking DENT 614.

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 615
Credit Weight: 1
Transcript Title: Appl Know Trans & Exch in Hlth
Calendar Title: Applied Knowledge Translation and Exchange in Health.
Description:
Intended for health care practitioners, planners, and researchers, especially in resource-poor settings in Canada and internationally, students will be exposed to behaviour change models; techniques for critical evaluation of existing evidence; accountability in health services; and scientific writing and presenting, using a blended learning approach.
Notes:
Prerequisite: Permission of instructor if graduate student is outside the department
Language of instruction: English
Restriction: Open to graduate students in the Department of Family Medicine
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is July 17, 2023 and withdrawal is July 19, 2023.

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 616
Credit Weight: 1
Transcript Title: Applied Literature Reviews
Calendar Title: Applied Literature Reviews.
Description:
How to conduct a rigorous literature review in the context of primary care with an opportunity to develop an outline of a literature review section of one’s thesis or to develop a protocol for a systematic review.
Notes:
Language of Instruction: English Office hours: Tuesdays 12:00 to 2:00

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

FMED 618
Credit Weight: 1
Transcript Title: Topics:Pharm-co,RxSafety&Pcgy
Calendar Title: Topics in Pharmacoeconomics, Drug Safety and Policy.
Description:
Topics pertaining to the pharmaceutical industry, the drug development process, the Canadian regulatory process, research to evaluate drug safety and effectiveness, principles of pharmacoeconomics and methods used to value
pharmacotherapy in the context of family medicine will be covered.

Notes:
Prerequisite: Permission of instructor if graduate student is outside the department
Language of Instruction: English. Office hours: Tuesdays 12:00 to 2:00 pm
Restriction: Open to graduate students in the Department of Family Medicine

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

**FMED 619**
Credit Weight: 3
Transcript Title: PgmMgt:GlobHlth&Prim HlthCare
Calendar Title: Program Management in Global Health and Primary Health Care.
Description:
Program management design, theory, methods and practical applications in both domestic and global health settings, with a focus on primary health care in order to achieve rapid scale-up of effective health interventions towards universal coverage while strengthening health systems for sustained impact.

Notes:
Prerequisite(s): Permission of instructor if graduate student is outside the department
Restriction(s): Open to graduate students in the Department of Family Medicine

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

**FMED 621**
Credit Weight: 1
Transcript Title: Particip.HlthSys for SafeBirth
Calendar Title: Participatory Health Systems for Safe Birth.
Description:
Exploring engagement and participation in promoting safe birth in cultural safety, this course aims to foster innovative, meaningful and effective engagement of women, men and communities in maternal and child healthcare systems, in a way that addresses current global and local realities and in a way that transcends historical challenges.

Notes:
Language of Instruction: English
Prerequisite: Permission of instructor if graduate student is outside the department
Restriction: Open to graduate students in the Department of Family Medicine

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active

**FMED 625**
Credit Weight: 3
Transcript Title: Qualitative Health Research
Calendar Title: Qualitative Health Research.
Description:
Discussion and practice of qualitative methodologies for conducting rigorous and reflective qualitative research projects with a family medicine and primary health care focus, including ethnographic fieldwork and community interviews.

Notes:
Prerequisite: Permission of instructor if graduate student is outside the department
Course will be given in English. Course work may be submitted in English or French.

Restrictions: Not open to students who have taken or are taking PSYT 625. Open to graduate students in the Department of Family Medicine.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Family Medicine  
**Status (catalog level):** Active

### FMED 672

**Credit Weight:** 1  
**Transcript Title:** Applied Mix Meth in Health Res  
**Calendar Title:** Applied Mixed Methods in Health Research.  
**Description:** Exploration of how to write a mixed methods research protocol or manuscript and some more advanced mixed methods data analysis applications.  
**Notes:** Prerequisite: Permission of instructor if graduate student is outside the department.  
Contact hours: Monday to Friday from 9am to 4:30pm (Faculty of Dentistry: 514-3987203 extensions 096455 & 00059; language of instruction: English).  
Restrictions: Not open to students who have taken or are taking DENT 672. Only open to graduate students in the Department of Family Medicine. Only open to students who have had prior graduate training in quantitative, qualitative, and mixed methods research.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Family Medicine  
**Status (catalog level):** Active

### FMED 679

**Credit Weight:** 3  
**Transcript Title:** Epid&Data Analy in Prim Care 3  
**Calendar Title:** Epidemiology and Data Analysis in Primary Care 3.  
**Description:** Advanced epidemiological concepts, data analysis and methods applicable to primary care research.  
**Notes:** Prerequisite: FMED 509; permission of instructor if graduate student is outside the Department. Restriction: Not open to students who have taken or are taking DENT 679.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Family Medicine  
**Status (catalog level):** Active

### FMED 690

**Credit Weight:** 3  
**Transcript Title:** Adv Ethno: Context, Comp&Coord  
**Calendar Title:** Advanced Ethnography: Context, Complexity and Coordination.  
**Description:** Addressing the rationale and assumptions of ethnography, including the practices, processes and strategies to set up, conduct, analyze, write up and provide feedback to participants. This exploration will come from a project based on deep and immersed observation in order to develop an understanding of shared meaning systems (i.e., culture).  
**Notes:** Prerequisite: Permission of instructor if graduate student is outside the department.
Restriction: Open to graduate students in the Department of Family Medicine.
Language of instruction: English

**Administering Faculty:** Graduate Studies
**Teaching Department:** Family Medicine
**Status (catalog level):** Active

**FMED 697**
**Credit Weight:** 12
**Transcript Title:** Master's Thesis Research 1
**Calendar Title:** Master's Thesis Research 1.
**Description:**
Independent work under the direction of a supervisor in a designated area of research.
**Notes:**
Restriction(s): Open only to students registered in the M.Sc in Family Medicine program.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Family Medicine
**Status (catalog level):** Active

**FMED 698**
**Credit Weight:** 12
**Transcript Title:** Master's Thesis Research 2
**Calendar Title:** Master's Thesis Research 2.
**Description:**
Independent work under the direction of a supervisor in a designated area of research.
**Notes:**
Restriction(s): Open only to students registered in the M.Sc in Family Medicine program.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Family Medicine
**Status (catalog level):** Active

**FMED 701**
**Credit Weight:** 0
**Transcript Title:** PhD Comprehensive Examination
**Calendar Title:** PhD Comprehensive Examination.
**Description:**
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program in family medicine (ad hoc).
**Notes:**
Restriction(s): Open only to students enrolled in the ad hoc PhD in Family Medicine program.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Family Medicine
**Status (catalog level):** Active

**FMED 702**
**Credit Weight:** 1
**Transcript Title:** Adv Doctoral PC Research Semrs
**Calendar Title:** Advanced Doctoral Primary Care Research Seminars.
**Description:**
Research seminars on various topics relevant to advanced family medicine and primary care research.
**Notes:**
Restriction(s): Restricted to students enrolled in the PhD in Family Medicine and Primary Care and the ad hoc PhD in Family Medicine programs.

Topic Fall 2023: Social Determinants of Health and Health Equity in PHC Research and Practice: concepts, frameworks and measurement

Administering Faculty: Graduate Studies
Teaching Department: Family Medicine
Status (catalog level): Active
FMT4 001
Credit Weight: 1.33  
Transcript Title: Fall Stage  
Calendar Title: Fall Stage (152-VSA-MC).  
Description:  
Objectives are to familiarize students with the workplace functions of a farm manager as well as the conditions under which they are exercised. Through classroom activities and a one-week internship on an agricultural enterprise other than the home farm or business, students are exposed to the job of a farm manager and the potential for entrepreneurial initiatives.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

FMT4 002
Credit Weight: 1.67  
Transcript Title: Soil Tillage  
Calendar Title: Soil Tillage (152-VSB-MC).  
Description:  
In this course students will acquire the theoretical knowledge and practical skills necessary for preparing a soil for seeding. This is done by studying soil characteristics, equipment design, common tillage systems and by extensive practical sessions with different tillage equipment. The students will also have to demonstrate an accurate and ever-present knowledge of the safety rules that apply on the farm and on the road.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

FMT4 003
Credit Weight: 1.33  
Transcript Title: Information Management  
Calendar Title: Information Management (152-VSC-MC).  
Description:  
Beginner-level computing and information management course. Topic covered include Windows and its accessory programs, Internet use and search engines, Word processing (Word), electronic spreadsheets (Excel), computer graphics and presentation (PowerPoint). Library and online search skills and an exposition to efficient work methods will be presented.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

FMT4 004
Credit Weight: 1.33  
Transcript Title: Animal Physiology and Anatomy  
Calendar Title: Animal Physiology and Anatomy (152-VSD-MC).  
Description:  
Objectives are descriptions of the main anatomical components of animal physiology. Emphases is placed on the following components: hooves, nervous system, digestive system, reproductive system, urinary system & mammary systems. Applications cover common farm livestock.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

FMT4 005
Credit Weight: 2.33
Transcript Title: Introduction to Plant Science
Calendar Title: Introduction to Plant Science (152-VSE-MC).
Description:
Basic concepts of plant anatomy, morphology, classification and physiology are used to solve practical problems in crop production. Identification and classification of plants, including crops and weeds. Growth stages of plants, from seed through vegetative growth and flowering to harvest. Study of the physiological functions of plants including mineral nutrition, water relations, photosynthesis, respiration, reproduction, tropisms and effects of climate. Identification of main types of crop pests. Relationships between the physiology of plants and farming practices.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 006
Credit Weight: 1.33
Transcript Title: Pesticides and the Environment
Calendar Title: Pesticides and the Environment (152-VSF-MC).
Description:
This course will present students with the opportunity to obtain an adequate understanding of the environmental and health risks associated with the use of pesticides, of the laws and regulations governing their use and of the methods that can be used to mitigate these risks. Several labs will deal with the methods used to correctly set up and operate pesticide application equipment.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 007
Credit Weight: 2
Transcript Title: Health and Safety
Calendar Title: Health and Safety (152-VSG-MC).
Description:
Students will be involved in the apprenticeship of safe livestock handling techniques, and of the techniques that can be used to reduce the risks associated with dangerous substances and machinery and equipment. Included in the course is also a first-aid and CPR training (additional fee of $85.00) aimed particularly at the farming environment. Real or fictitious cases, measurement tools, safety kits, relevant documentation, product labels, and environmental, health and safety regulations and rules will be discussed and used.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 008
Credit Weight: 2.33
Transcript Title: Animal Genetics and Nutrition
Calendar Title: Animal Genetics and Nutrition (152-VSH-MC).
Description:
Introduction to animal breeding principles and nutrition. Emphasis is placed on improving population genetic potential and modes of genetic transmission. Provided is the importance of feed intake, proteins, carbohydrates, lipids, minerals & vitamins in livestock nutrition. Students are exposed to the basics of livestock ration balancing.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 009
Credit Weight: 2
Transcript Title: Soil Fertility
Calendar Title: Soil Fertility (152-VSJ-MC).
Description: Objectives are the interpretation of soil fertilization practices and amendments for crop production, in relation to the physical, chemical and biological characteristics of soils. Topics discussed include soil sampling, soil test reports, soil pH and liming, nutrient management and environmental concerns, sources of nutrients, microbe-soil and soil-plant interactions.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 010
Credit Weight: 1.33
Transcript Title: Winter Stage
Calendar Title: Winter Stage (152-VSK-MC).
Description: Objectives are to develop the skills needed to analyze the operations; to determine the performance criteria that are related to the workplace functions of the farm manager and establish the relationships with the critical skills and knowledge required for their successful completion. Classroom activities and a one-week internship on an agricultural enterprise other than the home farm or business, expose the students to operations that are normally undertaken by farm managers during the winter months.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 011
Credit Weight: 2
Transcript Title: Farm Accounting
Calendar Title: Farm Accounting (152-VSL-MC).
Description: This course will cover the fundamentals of accounting with specific reference to agricultural enterprises and their particularities. A wide range of topics will be covered including accounting principles, book-keeping methods, tracking of inventory, depreciation. Preparation and presentation of financial statements and comprehension of financial information when presented from both a financial and a managerial perspective will be done throughout the semester.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 012
Credit Weight: 1.67
Transcript Title: Machinery Maintenance
Calendar Title: Machinery Maintenance (152-VSM-MC).
Description: Students will learn how to make the management decisions involved with the machinery fleet of an agricultural enterprise. These decisions will include
initial selection of machines, systematic evaluation of individual machines and machine replacement. Decisions will involve field capacity and economic considerations within the context of the agricultural enterprise.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 013
Credit Weight: 2
Transcript Title: Agricultural Internship
Calendar Title: Agricultural Internship (152-VSN-MC).
Description:
During a 13-week summer internship on an agricultural enterprise other than the home farm or business, students analyze the tasks and management operations that are a function of the agricultural enterprise manager and determine the performance criteria used for each operation. Students, by working, completing the tasks and asking questions, establish the relationships between the critical skills and knowledge required for successful execution of the various tasks and the position of each task within the overall management of the enterprise.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 013D1
Credit Weight: 1
Transcript Title: Agricultural Internship
Calendar Title: Agricultural Internship (152-VSN-MC).
Description:
See FMT4 013 for course description.

Notes:
No credit will be given for this course unless both FMT4 013D1 and FMT4 013D2 are successfully completed in consecutive terms. FMT4 013D1 and FMT4 013D2 together are equivalent to FMT4 013.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 013D2
Credit Weight: 1
Transcript Title: Agricultural Internship
Calendar Title: Agricultural Internship (152-VSN-MC).
Description:
See FMT4 013 for course description.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 014
Credit Weight: 2
Transcript Title: Marketing Strategies
Calendar Title: Marketing Strategies (152-VSP-MC).
Description:
Objectives of this course are to cover introductory marketing, market structures as well as basic economic principles in order to better understand the different marketing strategies occurring in the agri-food sector. An introduction to microeconomics and market structures will develop toward the different marketing channels agricultural producers are exposed as well as value chain management.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 015
Credit Weight: 1.33
Transcript Title: Forest Management
Calendar Title: Forest Management (152-VSQ-MC).
Description: N/A

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 016
Credit Weight: 2
Transcript Title: Budgeting and Administration
Calendar Title: Budgeting and Administration (152-VSR-MC).
Description: The objectives of this course are to produce, interpret and understand all of the budgets necessary for the operations of an agricultural business. These budgets include whole farm budgets, partial budgets, enterprise budgets, investment budgets and cash flow budgets. Exploration of basic concepts of financial management and the concepts of credit, time value of money and loan structure. An introduction to macroeconomic concepts will be delivered through the notion of exchange rates, unemployment, and economic cycles. Finally, activities geared toward the development of a business plan and strategic analysis of the business will be covered.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 017
Credit Weight: 1.33
Transcript Title: Agricultural Systems
Calendar Title: Agricultural Systems (152-VST-MC).
Description: An overview of the scientific, political, social and cultural aspects of agriculture and food. Topics discussed include agricultural sustainability, local food, food security, urban agriculture, permaculture, biodynamic and organic agriculture. Emphasis is on Canadian issues and perspectives.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 018
Credit Weight: 2.33
Transcript Title: Enterprise Management 1
Calendar Title: Enterprise Management 1 (152-VSU-MC).
Description: Objectives are to develop students’ ability to analyze the management practices, human resources, business operations, and the future potential for entrepreneurial initiatives, of the home agricultural enterprise or another agricultural enterprise during the 13-week summer internship.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 018D1
Credit Weight: 1.16
Transcript Title: Enterprise Management 1
Calendar Title: Enterprise Management 1 (152-VSU-MC).
Description: See FMT4 018 for course description.
Notes:
No credit will be given for this course unless both FMT4 018D1 and FMT4 018D2 are successfully completed in consecutive terms.
FMT4 018D1 and FMT4 018D2 together are equivalent to FMT4 018.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 018D2
Credit Weight: 1.17
Transcript Title: Enterprise Management 1
Calendar Title: Enterprise Management 1 (152-VSU-MC).
Description: See FMT4 018 for course description.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 019
Credit Weight: 2
Transcript Title: Nutrient Management Plan
Calendar Title: Nutrient Management Plan (152-VSV-MC).
Description:
Objectives are to familiarize students with the environmental laws and regulations that oversee the development of a Nutrient Management Plan. Collect pertinent data for the realization of their own five year nutrient management plan, along with the nutrient management strategies selected to reduce the environmental impact of the agricultural activities of the farm.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 020
Credit Weight: 2
Transcript Title: Conservation of Soil and Water
Calendar Title: Conservation of Soil and Water (152-VSW-MC).
Description:
Students will apply principles of soil and water conservation. The nature of the hydrologic cycle and the needs for soil and water conservation in eastern Canada will be examined. Surface drainage systems (grassed waterways, surface inlets) and water table management systems (subsurface drainage, control structures, and sub-irrigation) will be covered. The causes of soil degradation through compaction, wind erosion, water erosion, soil acidification, organic matter losses and the appropriate corrective action will be examined. The course uses engineering plans, provincial recommendations, and real situations.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active
FMT4 021
Credit Weight: 2.67
Transcript Title: Enterprise Management 2
Calendar Title: Enterprise Management 2 (152-VSX-MC).
Description: The focus of Enterprise Management 2 will be at the strategic level. Students will build on existing knowledge to examine the steps necessary to prepare a management and business plan for their agricultural enterprise. They will be introduced to the development process of a farming business. The links between technical, financial, and economical aspect will be made. Students will be exposed to external factors of a farming business through the use of a three-day field trip and guest speakers from the agricultural establishment.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 022
Credit Weight: 1.67
Transcript Title: Equipment Management
Calendar Title: Equipment Management (152-VSY-MC).
Description: Students will learn how to maintain hand tools and agricultural machinery. They will learn to develop a regular maintenance program, design and equip a maintenance workshop, as well as plan for machinery storage. They will learn basic repair and maintenance skills such as: electric and gas welding, cold and hot metal working, and performing cleaning and lubrication of machine components. The students will also learn about properties of materials which are used in agricultural applications.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 023
Credit Weight: 1.33
Transcript Title: Building Management
Calendar Title: Building Management (152-VSZ-MC).
Description: Students will learn how to maintain agricultural structures. They will learn how to develop a regular maintenance program for residential and production buildings. They will learn skills needed to perform basic repair maintenance of buildings such as carpentry, plumbing, electrical, and the use of power tools. The students will learn how to keep good maintenance records and also learn about the properties of materials related to agricultural structure maintenance.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 024
Credit Weight: 1.67
Transcript Title: Farm Building Development
Calendar Title: Farm Building Development (152-VTA-MC).
Description: Students will acquire the skills necessary to plan the future development of their farm yard and agricultural buildings. They will study techniques for analyzing the suitability of the current buildings, the current and future needs of the
enterprise and the relevant environmental legislation and zoning laws. Students will learn to use building and site plans, as well as acquire a basic knowledge of engineering design.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMT 4025**  
**Credit Weight:** 2.33  
**Transcript Title:** Enterprise Management 3  
**Calendar Title:** Enterprise Management 3 (152-VTB-MC).  
**Description:** The capstone course for FMT students is the Farm Project. A comprehensive 5 year business plan for either their home farms or for a startup operation will be produced by students. They do a detailed technical and financial analysis of their current situation; develop managerial and capital projects to improve the operation, and describe the financial impacts that their plans will have on the farm for the coming five years. The projects will then be defended in front of a marking committee composed of FMT staff. This course includes the final requirement of the collegial comprehensive assessment.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMT 4026**  
**Credit Weight:** 1.67  
**Transcript Title:** Human Resources  
**Calendar Title:** Human Resources (152-VTC-MC).  
**Description:** The objective is to understand human resource management techniques in agriculture. This includes being able to plan the manpower needs of the agricultural enterprise, by the month and by the year. Describe the principal tasks and work conditions, explain the steps in seeking farm and agricultural employees and prepare the payroll for employees. It also includes define the communication mechanisms between the owners, and with the employees as well as farm transfer from a financial, human and organizational standpoint.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMT 4027**  
**Credit Weight:** 1.33  
**Transcript Title:** Precision Agriculture  
**Calendar Title:** Precision Agriculture (152-VTD-MC).  
**Description:** Students will be introduced to the basic elements of precision farming, including Global Positioning Systems and yield monitors, soil sampling strategies, remotely sensed data, Geographic Information Systems and variable rate technologies. Using real case studies and common software, students will learn to develop and analyze maps of yields and soil properties, diagnose the causes of yield variability, develop appropriate intervention strategies, and assess the potential cost implications for their farms.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMT 4028**
Credit Weight: 2.67
Transcript Title: Dairy Replacement Management
Calendar Title: Dairy Replacement Management (152-VTE-MC).
Description: Topics discussed are birth, weaning, heifer selection, nutrition requirements, mastitis prevention and reproduction management within a modern dairy calf and heifer business. Students are exposed to a nutritional software as well as cost of raising spreadsheets.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 029
Credit Weight: 2.67
Transcript Title: Dairy Performance Management
Calendar Title: Dairy Performance Management (152-VTF-MC).
Description: Topics discussed are dry cow, fresh cow, forage quality, optimizing milk production, mastitis prevention and reproduction within a modern dairy herd enterprise. Students are exposed to nutritional software as well evaluating an in-depth dairy farm analysis.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 030
Credit Weight: 2.67
Transcript Title: Swine and Poultry Management
Calendar Title: Swine and Poultry Management (152-VTG-MC).
Description: Objectives are descriptions and analysis of the main profit components of the swine and poultry sectors. Emphases are placed on the following components: nutritional requirements, labor efficiency, marketing options, genetic selection and herd health. Students are exposed to a feeding trial in each sector.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 031
Credit Weight: 2.67
Transcript Title: Beef and Sheep Management
Calendar Title: Beef and Sheep Management (152-VTH-MC).
Description: Objectives are descriptions and analysis of the main profit components of the beef and sheep sectors. Emphases are placed on the following components: reproductive efficiency, nutritional requirements, labor efficiency, marketing options and herd health. Applications cover modern beef and sheep businesses in eastern Canada.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT4 032
Credit Weight: 2.67
Transcript Title: Ind Study in Animal Production
Calendar Title: Independent Study in Animal Production (152-VTJ-MC).
Description:
1 hour meetings & 7 hours independent work per week. Pre-requisites: FMT4-004 and FMT4-008 as well as at least one livestock management course (FMT4-028, FMT4-029, FMT4-030 or FMT4-031); students must also have a minimum cumulative weighted average of 80%. This course covers livestock production sectors not covered in Year 2 livestock management courses and requires independent study; the actual study plan will be determined case-by-case. Topics include industry benchmarks, nutrition, genetics, reproduction, economics of production and diseases. May also include farm visits, marketing strategies and developing a potential business plan, etc. Registration in the course is subject to approval by the Academic Advisor.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT 403
Credit Weight: 2.67
Transcript Title: Vegetable and Fruit Crops
Calendar Title: Vegetable and Fruit Crops (152-VTK-MC).
Description:
Planning, planting, growth, harvest and storage of various field-grown vegetables and fruits. Vegetables (cultivar selection, production methods, crop rotation, physiology, pests and diseases, etc.): tomatoes, peppers, pumpkins, cabbage, broccoli, lettuce, onions, carrots, sweet corn, potatoes and other vegetables and herbs. Fruits (site selection, cultivar selection, production methods, physiology, pests and diseases, etc.): apples, strawberries, raspberries, blueberries, grapes and other fruits. Both organic and conventional farming methods are emphasized.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT 404
Credit Weight: 2.67
Transcript Title: Greenhouse Crop Production
Calendar Title: Greenhouse Crop Production (152-VTL-MC).
Description:
Planning, planting, growth, harvest and storage of various greenhouse flowers and vegetables. Greenhouse structures, control of the greenhouse environment (heating, cooling, lighting, humidity), hydroponics, substrates, fertilization, irrigation, pest and disease management. Production methods of greenhouse flowers (potted flowers, cut flowers, bedding plants) and greenhouse vegetables (tomatoes, cucumbers, lettuce, etc.). Both organic and conventional farming methods are emphasized.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMT 405
Credit Weight: 2.67
Transcript Title: Field Crop Management 1
Calendar Title: Field Crop Management 1 (152-VM-MC).
Description:
During this course, students will learn and execute the tasks required in the production of field crops. Students will develop an understanding of the techniques involved as well as the impact of these techniques on crop-environment relationships and on environmental protection. This involves the planning and execution of the tasks to be done, an evaluation of the quality of the work and
the preparation of an adequate crop production database. This course will use lectures and practical work with as much outside work as weather conditions will permit.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

### FMT4 036

**Credit Weight:** 2.67  
**Transcript Title:** Field Crop Management 2  
**Calendar Title:** Field Crop Management 2 (152-VTN-MC).  
**Description:**  
During this course, students will be preparing an environmentally-friendly cropping plan on a mixed crop and animal production farm. Students will develop an understanding of crop biology, crop production systems, crop-environment relationships, environmental protection; crop budgeting, on-farm research and marketing. Students will therefore integrate all aspects of field crop production into a coherent cropping plan. This includes the use of a decision-making process, planning of work to be done, a method for evaluating the results and the use of an efficient record-keeping system. Labs and interactive lectures will be used to achieve the goals of the course.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

### FMT4 037

**Credit Weight:** 2.67  
**Transcript Title:** Ind. Study in Crop Production  
**Calendar Title:** Independent Study in Crop Production (152-VTP-MC).  
**Description:**  
1 hour meetings & 7 hours independent work per week. Pre-requisites: FMT4-005 and FMT4-009 as well as at least one crop production course (FMT4-033, FMT4-034, FMT4-035 or FMT4-036); students must also have a minimum cumulative weighted average of 80%. This course covers crops or groups of crops not covered in other crop production courses and requires independent study; the actual study plan will be determined case-by-case. Topics include planning, production methods, planting, growth, harvest and storage of crops, control of pests and diseases. May also include site selection, cultivar selection, crop rotation, physiology, etc. Registration in the course is subject to approval by the Academic Advisor.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active
FMTP 001
Credit Weight: 1.33
Transcript Title: Farm Practice 1
Calendar Title: Farm Practice 1 (152-001-MC).
Description:
This course combines classroom activities and a one-week internship on a farm to allow students to understand the workplace functions of a farm manager as well as the conditions under which they are exercised. Students are introduced to the available sources of information on the workplace functions of the farm manager. Additionally, they collect pertinent information in the workplace during their internship. Students outline the workplace characteristics of the farm manager while recognizing the potential for entrepreneurial initiatives in this sector of activity.
Notes:
(152-001-MC)
(1-2-1)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 002
Credit Weight: 1.33
Transcript Title: Introduction to Economics
Calendar Title: Introduction to Economics (152-002-MC).
Description:
At the end of this course, students will understand and be able to apply basic microeconomic and macroeconomic concepts along with understanding the general area of farm management. Microeconomics topics will include the decision making process of the firm, the introduction of economic theory, specifically the development of demand and supply theories and how price determination is establish under different market structures. The concept of marginal economics, profit maximization, elasticity and the marginal rate of substitution will be covered. Finally students will be exposed to macroeconomic topics which will encompass unemployment, changes in bank rates, exchange rates, gross domestic product, consumer price index and the balance of trade. Special emphasis will be given to agricultural commodities and how economic theory applies to them.
Notes:
(152-002-MC)
(2-1-1)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 003
Credit Weight: 2
Transcript Title: Soil Preparation
Calendar Title: Soil Preparation (152-003-MC).
Description:
In this course students will acquire the theoretical knowledge and practical skills necessary for preparing a soil for seeding. This is done by studying soil characteristics, equipment design, common tillage systems and by extensive practical sessions with different tillage equipment. The students will also have to demonstrate an accurate and ever-present knowledge of the safety rules that apply on the farm and on the road.
Notes:
(152-003-MC)
(1-3-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 004
Credit Weight: 1.67
Transcript Title: Microcomputing
Calendar Title: Microcomputing (152-004-MC).
Description: This is a beginner-level computing course designed to introduce micro-computers to our students. The course will start by introducing various elementary computer concepts, terminologies and hardware configurations. The student will then be exposed to the most popular aspects of modern computing e-mail and the Internet. To guarantee that technological edge, software of direct importance to the farming industry will be presented later in the semester. The labs will complement the course material by giving hands-on experience. The course content includes: various farm uses an abuses of computers; hardware basics; introduction to DOS (minimal); Windows and accessory programs (Notepad, Wordpad); McGill online services (McGill Library Access, MUSE PERUSE); viruses and other computer diseases; file encoding and encryption; Internet use (e-mail, web searching, FTP), word/text processing (MS Word 2003), electronic spreadsheets (Excel 2003), computer graphics (PowerPoint 2003 and Paintshop Pro).

Notes:
(152-004-MC)
(1-2-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 005
Credit Weight: 1.33
Transcript Title: Animal Anatomy and Physiology
Calendar Title: Animal Anatomy and Physiology.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 006
Credit Weight: 2.67
Transcript Title: Agricultural Botany
Calendar Title: Agricultural Botany.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 007
Credit Weight: 2
Transcript Title: Health and Farm Safety
Calendar Title: Health and Farm Safety (152-007-MC).
Description: Students will learn the basics of safe livestock handling techniques, livestock psychology and designing livestock handling systems. Students will also be introduced to the danger of livestock zoonoses, dangerous gases and potential danger of agricultural noise and machinery. Included in the course is also a first-aid and CPR training aimed particularly at the farming environment. Real or fictitious cases, measurement tools, safety kits, relevant documentation, product
labels, environmental, health and safety regulations and rules will be used.

Notes:
(152-007-MC)
(2-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 008
Credit Weight: 2.33
Transcript Title: Introduction to Animal Science
Calendar Title: Introduction to Animal Science (152-008-MC).
Description:
Students will learn the basic principles of animal nutrition as well as the basic genetic and breeding principles. These notions can be applied to the following productions: dairy, beef, poultry, and swine. We will cover the physiological basis of heredity as well as the transmission laws of genetic characters, the genetic value of breeding males and females as well as the genetic relationship among individual and the elements of genetic progress. Students will also be introduced to the various essential nutrients, their function in the well being of the animal as well as in livestock production. Students will also compare the nutrient value of various diets through a poultry feeding project.

Notes:
(152-008-MC)
(3-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 009
Credit Weight: 2.67
Transcript Title: Soil Fertilization
Calendar Title: Soil Fertilization (152-009-MC).
Description:
In this course students will learn the principles and practices of soil fertilization and amendment for crop production. Students will learn about the physical, chemical and biological factors that are taken into account in the management of soil fertility. Topics that will be covered in this course include soil sampling, interpretation of soil test reports, soil pH and liming, nutrient management and environmental concerns, sources of nutrients and soil-plant interactions. Students will develop a field and crop fertilization program using a nutrient management software.

Notes:
(152-009-MC)
(3-3-2)
(3-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 010
Credit Weight: 2.33
Transcript Title: Farm Business Management 1
Calendar Title: Farm Business Management 1 (152-010-MC).
Description:
This course will introduce the students to the fundamentals of accounting with specific reference to farm operations. It will also present the necessary tools
for the development of an adequate record-keeping system for a farm business operation and give the students the necessary skills to prepare financial statements. In addition, students will be able to handle the daily administrative business responsibilities of a farm manager/operator. This includes monitoring resources such as taking care of banking functions, invoice payment and filing, choosing suppliers and business insurance along with keeping track of stocks and inventories. The use of computer software will be employed to facilitate accounting and administrative functions.

Notes:

(152-010-MC)

(3-2-2)

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Farm Mgmt & Technology Program

Status (catalog level): Active

FMTP 011
Credit Weight: 1.33

Transcript Title: Farm Practice 2

Calendar Title: Farm Practice 2 (152-011-MC).

Description:
This course is the first part of a process by which students analyze the tasks and operations that are related to the workplace functions of the farm manager and establish the relationships with the critical skills and knowledge required for their successful completion. Classroom activities and a one-week internship on a farm other than the home farm give the students the opportunity to examine and observe the operations that are normally undertaken by farm managers during the winter months. Students identify and report on the conditions under which the operations are executed and determine the performance criteria used for each task associated with the workplace functions. They evaluate the relative importance of each task in the work process.

Notes:

(152-011-MC)

(1-2-1)

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Farm Mgmt & Technology Program

Status (catalog level): Active

FMTP 012
Credit Weight: 7

Transcript Title: Farm Practice 3

Calendar Title: Farm Practice 3 (152-012-MC).

Description:
This course is the second part of the process initiated in Farm Practice 2 by which students analyze the tasks and operations that are related to the workplace functions of the farm manager and establish the relationships with the critical skills and knowledge required for their successful execution. Students undertake a 13-week summer internship on the farm selected in Farm Practice 2 during which they identify the conditions under which the operations are executed and determine the performance criteria used for each task associated with the workplace functions. They evaluate the relative importance of each task in the work process. Students report on their experience in writing during the summer and during a formal presentation to the class upon their return.

Notes:

(152-012-MC)

(1-15-5)

Administering Faculty: Faculty of Agric Environ Sci

Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

**FMTP 013**
Credit Weight: 2.33
Transcript Title: Farm Business Management 2
Calendar Title: Farm Business Management 2 (152-013-MC).
Description:
At the end of this course, students will be able to produce, interpret and understand all of the budgets necessary for the operation of an agricultural business. These budgets include: whole farm budgets, partial budgets, enterprise budgets, investment budgets and cash flow budgets. Students will explore credit cost estimation, taking into consideration the determinant factors of influence. Students will establish a financing program for an agricultural enterprise. This will include producing an investment plan for the development of the agricultural business. Students will investigate the concepts of the time value of money. Collateral value will be assessed in relation to loan requirements. The principal conditions and steps of the loan negotiation process will be described. Students will also examine risk management tool available to agricultural enterprise, both internal and external. Finally, students will begin to gather the information process in preparation of their farm project.

Notes:
(152-013-MC)
(3-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

**FMTP 014**
Credit Weight: 1.67
Transcript Title: Machinery Management
Calendar Title: Machinery Management (152-014-MC).
Description:
Students will learn how to make the management decisions involved with the machinery fleet of an agricultural enterprise. These decisions will include initial selection of machines, systematic evaluation of individual machines and machine replacement. Decisions will involve field capacity and economic considerations within the context of the agricultural enterprise.

Notes:
(152-014-MC)
(2-2-1)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

**FMTP 016**
Credit Weight: 2
Transcript Title: Agro-Env. Fert. Plan 1
Calendar Title: Agro-Environmental Fertilization Plan 1 (152-016-MC).
Description:
In this first part of the Agro-Environmental Fertilization Plan course, students will be introduced to the environmental laws and regulations that oversee the development of the Agro-Environmental Fertilization Plan. Students will be introduced to the components of the AEFP and will learn how to collect pertinent data for the realization of their own plan. Students will also learn how to keep registries for fertilizer and manure spreading on their farms. The management of manure for odor control will also be discussed.
Notes:
(152-016-MC)
(2-2-2)
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMTP 017**  
**Credit Weight:** 1.33  
**Transcript Title:** Pesticide Use  
**Calendar Title:** Pesticide Use.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMTP 018**  
**Credit Weight:** 1.33  
**Transcript Title:** Building Maintenance  
**Calendar Title:** Building Maintenance (152-018-MC).  
**Description:**  
Students will learn how to maintain agricultural structures. They will learn how to develop a regular maintenance program for residential and production buildings. They will learn skills needed to perform basic repair maintenance of buildings such as carpentry, plumbing, electrical, and the use of power tools. The students will learn how to keep good maintenance records and also learn about the properties of materials related to agricultural structure maintenance.

**Notes:**  
(152-018-MC)
(1-2-1)
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMTP 019**  
**Credit Weight:** 1.67  
**Transcript Title:** Tools & Machinery Maintenance  
**Calendar Title:** Tools and Machinery Maintenance (152-019-MC).  
**Description:**  
Students will learn how to maintain hand tools and agricultural machinery. They will learn to develop a regular maintenance program, design and equip a maintenance workshop, as well as plan for machinery storage. They will learn basic repair and maintenance skills such as: electric and gas welding, cold and hot metal working, and performing cleaning and lubrication of machine components. The students will also learn about properties of materials which are used in agricultural applications.

**Notes:**  
(052-019-MC)
(1-3-1)
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Farm Mgmt & Technology Program  
**Status (catalog level):** Active

**FMTP 020**  
**Credit Weight:** 1.33  
**Transcript Title:** Agro-Env. Fert. Plan 2  
**Calendar Title:** Agro-Environmental Fertilization Plan 2 (152-020-MC).
Description:
In this second part of the Agro-Environmental Fertilization Plan course students will develop their own AEFP from the information they gathered on their farm during the previous summer. They will be introduced to the use of a software program designed for the AEFP. Students will develop a five-year plan based on the production objectives of the farm taking into account its initial status and the resources that are available. A five-year total nutrient budget for the enterprise will also be presented along with the nutrient management strategies selected to reduce the environmental impact of the agricultural activities of the farm.

Notes:
(152-020-MC)
(1-2-1)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 021
Credit Weight: 2
Transcript Title: Water and Soil Conservation
Calendar Title: Water and Soil Conservation (152-021-MC).
Description:
Students will apply principles of soil and water conservation. The nature of the hydrologic cycle, and the needs for soil and water conservation in eastern Canada will be examined. Surface drainage systems (grassed waterways, surface inlets) and water table management systems (subsurface drainage, control structures, and sub-irrigation) will be covered. The causes of soil degradation through compaction, wind erosion, water erosion, soil acidification, organic matter losses and the appropriate corrective action will be examined. The costs associated with soil degradation and remedial actions will be covered. The course uses engineering plans, provincial recommendations, and real situations.

Notes:
(152-021-MC)
(2-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 022
Credit Weight: 2.67
Transcript Title: Farm Business Management 3
Calendar Title: Farm Business Management 3 (152-022-MC).
Description:
The focus of Farm Business Management 3 will be at the strategic level. Students will examine the steps necessary to prepare a business plan for an agricultural enterprise. They will be introduced to the development process of a farming business. The links between technical, financial, and economical aspect will be made. During this course students will discover the tax liabilities and laws as they pertain to a farming business in the province of Quebec, which will include a brief introduction to the Quebec Civil Code. Students will be exposed to external factors of a farming business through the use of a three-day field trip and guest speakers from the agricultural establishment. Students will continue the information gathering process which began in Farm Business Management 2.

Notes:
(152-022-MC)
(4-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 023
Credit Weight: 2.33
Transcript Title: Agricultural Marketing
Calendar Title: Agricultural Marketing (152-023-MC).
Description:
The goal of this course is to improve students' skills needed for marketing agricultural products and services. This course covers all types of marketing, from direct sales and on-farm marketing to wholesale channels, auctions and exports. Students will study examples of marketing systems used for various agricultural commodities and create a marketing plan (product, price, promotion, "place" and public image) for a particular product or service. They will also improve their skills in sales and customer relations.
Notes:
(152-023-MC)
(3-2-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 024
Credit Weight: 1.67
Transcript Title: Farm Building Planning
Calendar Title: Farm Building Planning (152-024-MC).
Description:
Students will acquire the skills necessary to plan the future development of their farm yard and agricultural buildings. They will study techniques for analyzing the suitability of the current buildings, the current and future needs of the enterprise and the relevant environmental legislation and zoning laws. Students will learn to use building and site plans, as well as acquire a basic knowledge of engineering design.
Notes:
(152-024-MC)
(2-1-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 025
Credit Weight: 2
Transcript Title: Farm Project
Calendar Title: Farm Project (152-025-MC).
Description:
In this course each students will prepare a farm business plan. The students will put into use the skills they have acquired through their first five semesters and apply them to an actual farming situation. The plan will be on an existing agricultural enterprise of their choice and must include all considerations of the farming business, production as well as financial. The plan must cover a period of not less than five years. An oral presentation and a comprehensive written report will be submitted on their farm project.
Notes:
(152-025-MC)
(2-2-2)
FMTP 026
Credit Weight: 1.33
Transcript Title: Management of Human Resources
Calendar Title: Management of Human Resources (152-026-MC).
Description:
At the end of this course, students will be able to apply human resource management techniques in agriculture. This includes being able to plan the manpower needs of the agricultural enterprise, by the month and by the year. Students will be able to describe the principal tasks and work conditions, explain the steps in seeking farm and agricultural employees and prepare the payroll for employees. Students must be able to describe the communication mechanisms between the owners, and with the employees. Students will learn to apply a method of worker supervision and be able to give an evaluation of employees work.
Notes:
(152-026-MC)
(3-0-1)

FMTP 027
Credit Weight: 1.33
Transcript Title: Precision Farming
Calendar Title: Precision Farming (152-027-MC).
Description:
Students will be introduced to the basic elements of precision farming, including Global Positioning Systems and yield monitors, soil sampling strategies, remotely sensed data, Geographic Information Systems and variable rate technologies. Using real case studies and common software, students will learn to develop and analyze maps of yields and soil properties, diagnose the causes of yield variability, develop appropriate intervention strategies, and assess the potential cost implications for their farms.
Notes:
(152-027-MC)
(2-1-1)

FMTP 028
Credit Weight: 2.67
Transcript Title: Dairy Heifer Management
Calendar Title: Dairy Heifer Management (152-028-MC).
Description:
Students will discover the fine tuning management principles behind profitable dairy heifer management. We will examine the management notions which contribute to an efficient and profitable heifer enterprise. Weaning management, heifer health, nutritional requirements, housing alternatives, bovine estrous cycles, heat detection and synchronization, identifying the top replacement heifers, marketing alternatives, as well as breeding management will all be examined. We also will discuss the cost of raising heifers, management targets and newer alternative forms of heifer management. Farm visits will be additional exposure to
the challenge of successful heifer management.

Notes:
(152-028-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 029
Credit Weight: 2.67
Transcript Title: Dairy Herd Management
Calendar Title: Dairy Herd Management (152-029-MC).
Description:
Students will discover the fine tuning management principles behind profitable dairy cow and herd management. We will examine the management notions which contribute to an efficient and profitable dairy herd enterprise. Dry cow nutrition, housing, health as well as management. Nutritional requirements of the fresh dairy cow and avoiding metabolic disorders of the dairy cow's early lactation will be examined. We will discuss the management of milk quality, how to better understand the quota system, mid lactation cow nutrition and dairy cow breeding strategies. The course parallels the cow's lactation curve with a discussion of the importance of late lactation cow herd health, efficient cost of milk production, the notion of body condition score in preparation of the dry period. Farm visits will provide additional exposure to the challenge of successful dairy herd management.

Notes:
(152-029-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 030
Credit Weight: 2.67
Transcript Title: Swine and Poultry
Calendar Title: Swine and Poultry (152-030-MC).
Description:
Students will discover specific production sectors within the Canadian swine and poultry sectors. This course is designed to provide students with a good management basis focusing on the nutritional requirements, feeding programs, health, housing, industry structure, breeding and economic parameters for each of these productions. Farm visits will provide additional exposure to the reality of each of these livestock productions.

Notes:
(152-030-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 031
Credit Weight: 2.67
Transcript Title: Beef and Sheep
Calendar Title: Beef and Sheep (152-031-MC).
Description:
Students will discover specific production sectors within the Canadian beef and sheep sectors. This course is designed to provide students with a good management
basis focusing on the nutritional requirements, feeding programs, herd health, housing, marketing, breeding and economic parameters for each of these productions. Farm visits will be additional exposure to the reality of each of these livestock productions.

Notes:
(152-031-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 032
Credit Weight: 2.67
Transcript Title: Fruit and Vegetable Crops
Calendar Title: Fruit and Vegetable Crops (152-032-MC).
Description:
The goals of this course are to learn how to plant, grow, harvest and store various fruits and field vegetables and to learn how to plan the production these crops. Both organic and conventional farming methods are emphasized. The course will cover several of the following crops: Vegetables (cultivar selection, irrigation, physiology, pests and diseases, management, etc.): peppers, tomatoes, pumpkins, cabbages, broccoli, lettuces, onions, carrots, sweet corns, potatoes and other vegetables and herbs. Fruits (site selection, cultivars, physiology, pests and diseases, management, etc.): apples, strawberries, raspberries, blueberries, grapes and other fruits.

Notes:
(152-032-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 033
Credit Weight: 2.67
Transcript Title: Greenhouse Crops
Calendar Title: Greenhouse Crops (152-033-MC).
Description:
The goals of this course are to learn how to plant, grow, harvest and store various greenhouse flowers and vegetables, how to plan the production of these crops and how to control the greenhouse environment. The course will cover the following: greenhouse structures, heating, cooling, lighting, hydroponics, fertilization, irrigation, pest and disease management, greenhouse flower production (potted flowers, cut flowers, bedding plants) and greenhouse vegetables (tomatoes, cucumbers, lettuces). Both organic and conventional farming methods are emphasized.

Notes:
(152-033-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 034
Credit Weight: 2.67
Transcript Title: Feed Crops
Calendar Title: Feed Crops (152-034-MC).
Description:
At the end of this course, the students will be able to demonstrate an ability to produce an environmentally-friendly cropping plan on a mixed crop and animal production farm and execute the tasks that it requires. The students will develop an interest in and an understanding of crop biology, crop production techniques, crop-environment relationships, environment protection and marketing. The students will be able to integrate all aspects of cereal and forage crop production into a coherent cropping plan. This involves planning and execution of the work to be done, an evaluation of the quality of the work and of the cropping plan and the preparation of an adequate crop production database. This course will involve class and laboratory work with as much outside work as weather will permit.

Notes:
(152-034-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 035
Credit Weight: 2.67
Transcript Title: Industrial Crops
Calendar Title: Industrial Crops (152-035-MC).
Description:
At the end of this course, the students will be able to demonstrate an ability to produce an environmentally-friendly cropping plan on a cash crop farm and execute the tasks that it requires. The students will develop an interest in and an understanding of crop biology, crop production techniques, crop-environment relationships, environment protection and marketing. The students will be able to integrate all aspects of industrial crop production into a coherent cropping plan. This involves planning and execution of the work to be done, an evaluation of the quality of the work and of the cropping plan and the preparation of an adequate crop production database. This course will involve class and laboratory work with as much outside work as weather will permit.

Notes:
(152-035-MC)
(3-3-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 036
Credit Weight: 6
Transcript Title: Enterprise Internship
Calendar Title: Enterprise Internship (152-036-MC).
Description:
Students undertake a 13-week summer internship on the agricultural enterprise selected in Farm Practice 2. During the stage students analyze the tasks and management operations that are a function of the agricultural enterprise manager. Students, by working, completing the tasks and asking questions, establish the relationships between the critical skills and knowledge required for successful execution of the various tasks and the position of each task within the overall management of the enterprise. They will identify the conditions under which the operations are executed and determine the performance criteria used for each operation. Students report on their experience in writing during the summer and during a formal presentation to the class upon their return.

Notes:
(152-036-MC)
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

**FMTP 037**  
**Credit Weight:** 2.33  
**Transcript Title:** Entrepreneurship 1  
**Calendar Title:** Entrepreneurship 1 (152-037-MC).  
**Description:** This course is the second summer internship of the three-year program. Students, with the skills and knowledge they have obtained in two-years of study, analyze the management practices, human resources, business operations and future potential or expansion of the home agricultural enterprise or another agricultural enterprise. The 13-week summer internship allows the student to further develop analytical and managerial skills and recognize the potential of the enterprise for entrepreneurial initiatives. Students report on their experience in writing during the summer.  
**Notes:** (152-037-MC)  
(1-5-1)  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

**FMTP 038**  
**Credit Weight:** 2  
**Transcript Title:** Financial & Managerial Acct  
**Calendar Title:** Financial and Managerial Accounting (152-038-MC).  
**Description:** This course will introduce the students to the fundamentals of accounting with specific reference to farm operations. It will also present the necessary tools for the development of an adequate record-keeping system for a farm business operation and give the students the necessary skills to prepare financial statements. In addition, students will be able to handle the daily administrative business responsibilities of a farm manager/operator. This includes monitoring resources such as taking care of banking functions, invoice payment and filing, choosing suppliers & business insurance along with keeping track of stocks and inventories. The use of computer software will be employed to facilitate accounting and administrative functions.  
**Notes:** (152-038-MC)  
(2-2-2)  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Farm Mgmt & Technology Program  
Status (catalog level): Active

**FMTP 039**  
**Credit Weight:** 1.67  
**Transcript Title:** Agri-Marketing  
**Calendar Title:** Agri-Marketing (152-039-MC).  
**Description:** The goal of this course is to improve students' skills needed for marketing agricultural products and services. This course covers all types of marketing, from direct sales and on-farm marketing to wholesale channels, auctions and exports. Students will study examples of marketing systems used for various
agricultural commodities and create a marketing plan (product, price, promotion, "place" and public image) for a particular product or service. They will also improve their skills in sales and customer relations.

Notes:
(152-039-MC)
(2-1-2)
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 040
Credit Weight: 1.67
Transcript Title: Nutrient Management Plan 1
Calendar Title: Nutrient Management Plan 1 (152-040-MC).
Description:
In this first part of the Nutrient Management Plan course, students will be introduced to the environmental laws and regulations that oversee the development of the Nutrient Management Plan. Students will be introduced to the components of the Nutrient Management Plan and will learn how to collect pertinent data for the realization of their own plan. Students will also learn how to keep registries for fertilizer and manure spreading on their farms. The management of manure for odour control will also be discussed.

Notes:
(152-040-MC)
(2-1-2)
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 041
Credit Weight: 1.33
Transcript Title: Nutrient Management Plan 2
Calendar Title: Nutrient Management Plan 2 (152-041-MC).
Description:
In this second part of the Nutrient Management Plan course students will develop their own Nutrient Management Plan from the information they gathered on their farm during the previous summer. They will be introduced to the use of a software program designed for the Nutrient Management Plan. Students will develop a five-year plan based on the production objectives of the farm taking into account its initial status and the resources that are available. A five-year total nutrient budget for the enterprise will also be presented along with the nutrient management strategies selected to reduce the environmental impact of the agricultural activities of the farm.

Notes:
(152-041-MC)
(1-2-1)
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 042
Credit Weight: 2.33
Transcript Title: Budgeting, Finance & Policies
Calendar Title: Budgeting, Finance and Policies (152-042-MC).
Description:
At the end of this course, students will be able to produce, interpret and understand all of the budgets necessary for the operation of an agricultural
business. These budgets include: whole farm budgets, partial budgets, enterprise budgets, investment budgets and cash flow budgets. Students will explore credit cost estimation, taking into consideration the determinant factors of influence. Students will establish a financing program for an agricultural enterprise. This will include producing an investment plan for the development of the agricultural business. Students will investigate the concepts of the time value of money. Collateral value will be assessed in relation to loan requirements. The principal conditions and steps of the loan negotiation process will be described. Students will also be examine risk management tool available to agricultural enterprise, both internal and external. Finally students will begin to gather the information process in preparation of their farm project.

Notes:

(152-042-MC)
(3-2-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 043
Credit Weight: 2.67
Transcript Title: Entrepreneurship 2
Calendar Title: Entrepreneurship 2 (152-043-MC).
Description:
The focus of Entrepreneurship 2 will be at the strategic level. Students will examine the steps necessary to prepare a business plan for an agricultural enterprise. They will be introduced to the development process of a farming business. The links between technical, financial, and economical aspect will be made. During this course students will discover the tax liabilities and laws as they pertain to a farming business in the province of Quebec, which will include a brief introduction to the Quebec Civil Code. Students will be exposed to external factors of a farming business through the use of a three-day field trip and guest speakers from the agricultural establishment. Students will continue the information gathering process which began in Budgeting, Finance and Policies.

Notes:

(152-043-MC)
(4-2-2)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 044
Credit Weight: 1.33
Transcript Title: Mgmt of Human Resources
Calendar Title: Management of Human Resources (152-044-MC).
Description:
techniques in agriculture. This includes being able to plan the manpower needs of the agricultural enterprise, by the month and by the year. Students will be able to describe the principal tasks and work conditions, explain the steps in seeking farm and agricultural employees and prepare the payroll for employees. Students must be able to describe the communication mechanisms between the owners, and with the employees. Students will learn to apply a method of worker supervision and be able to give an evaluation of employees work.

Notes:

(152-044-MC)
(3-0-1)

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 045
Credit Weight: 2.67
Transcript Title: Field Crop Production
Calendar Title: Field Crop Production (152-045-MC).
Description: At the end of this course, students will be expected to execute the tasks required in the production of field crops. Students will develop an understanding of the techniques involved as well as the impact of these techniques on crop-environment relationships and on environmental protection. This involves the planning and execution of the tasks to be done, an evaluation of the quality of the work and the preparation of an adequate crop production database. This course will use lectures and practical work with as much outside work as weather conditions will permit.
Notes:
(152-045-MC)
(3-3-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 046
Credit Weight: 2.67
Transcript Title: Field Crop Management
Calendar Title: Field Crop Management (152-046-MC).
Description: At the end of this course, students will be expected to produce an environmentally-friendly cropping plan on a mixed crop and animal production farm. Students will develop an understanding of crop biology, crop production systems, crop-environment relationships, environmental protection, crop budgeting, on-farm research and marketing. Students will be able to integrate all aspects of field crop production into a coherent cropping plan. This includes the use of a decision-making process, planning of work to be done, a method for evaluating the results and the use of an efficient record-keeping system. Labs and interactive lectures will be used to achieve the goals of the course.
Notes:
(152-046-MC)
(3-3-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 074
Credit Weight: 2
Transcript Title: Complementary Course 2
Calendar Title: Complementary Course 2.
Description: This complimentary course will follow the requirements of the Ministry of Education of Quebec. The subject matter will be determined on a yearly basis.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 075
Credit Weight: 2
Transcript Title: Langue française & communication
Calendar Title: Langue française et communication (602-101-03).
Description: The first French course is a part of the general education core common to all programs. Building on the skills previously developed by students, this course will help them to better communicate in French by improving their vocabulary and their listening, speaking and writing skills. By the end of the course, students will be able to understand the general meaning of or analyse an oral message (about 3 minutes), to produce an oral text (3 to 5 minutes), to understand or analyse a written text (500 to 1000 words) and to write a 100 to 200 word text in usual French.
Notes: (602-101-03) (2-1-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 076
Credit Weight: 2
Transcript Title: French 2
Calendar Title: French 2 (602-VSC-03).
Description: The second French course is part of the general education core that is adapted to programs. Building on the skills improved in the first French course, this one will help the students develop the skills required in order to communicate in the forms appropriate to agriculture. By the end of the course, students will know and distinguish the communication methods related to agriculture. They will be able to understand and produce oral or written texts related to agriculture. They may also be able to interpret oral and written documents and to use various techniques associated with texts in the agriculture field. Students will therefore learn the selective use of appropriate terminology.
Notes: (602-VSC-03) (2-1-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 077
Credit Weight: 2.67
Transcript Title: Intro to College English
Calendar Title: Introduction to College English.
Notes: (603-101-MQ) (1-3-4)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 078
Credit Weight: 2
Transcript Title: FMT English
Calendar Title: FMT English (603-VSB-MC).
Notes: (603-VSB-MC)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 080
Credit Weight: 2
Transcript Title: English Upgrading
Calendar Title: English Upgrading.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 081
Credit Weight: 2.67
Transcript Title: Components of Discourse
Calendar Title: Components of Discourse (603-101-04).
Description:
The purpose of this course is to enable students to analyse and produce various forms of discourse.
Notes:
(603-101-04)
(1-3-4)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 082
Credit Weight: 2.33
Transcript Title: Literary Genres
Calendar Title: Literary Genres (603-102-04).
Description:
This course will allow the student to apply a critical approach to literary genres.
Notes:
(603-102-04)
(2-2-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 083
Credit Weight: 2.33
Transcript Title: Literary Themes
Calendar Title: Literary Themes (603-103-04).
Description:
This course will allow the student to apply a critical approach to a literary theme and to prepare for the English Exit Examination.
Notes:
(603-103-04)
(2-2-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 084
Credit Weight: 2
Transcript Title: English for FMT
Calendar Title: English for FMT (603-VSA-04).
Description:
This is the first English course for students who do not need English Upgrading and the fifth course for those who do.
Notes:
(603-VSA-04)
(2-2-2)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 085
Credit Weight: 2.33
Transcript Title: Humanities 1: Knowledge
Calendar Title: Humanities 1: Knowledge (345-103-04).
Description:
This practical course enables students to extend themselves by establishing a meaningful relationship with someone who is much older. It comprises three hours per week of supervised field work at the Ste-Anne's Veterans Hospital either medical or psychiatric patients. A weekly journal of notes record the student's "people sharing" experiences. A "first impressions" and "final impressions" revue of these notes and a research paper on related issues are also part of the course.
Notes:
(345-103-04)
(3-1-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 086
Credit Weight: 2
Transcript Title: Humanities 2: World Views
Calendar Title: Humanities 2: World Views (345-102-03).
Description:
The purpose of this course is to aid students to acquire knowledge of several moral and social issues, understand the arguments on various sides of these issues, evaluate and analyze the arguments, formulate their own position and defend it in oral and written form.
Notes:
(345-102-03)
(3-0-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 087
Credit Weight: 2
Transcript Title: Humanities 3: Env. & Org. Issues
Calendar Title: Humanities 3: Env. & Org. Issues (345-VSH-MC).
Description:
This course is designed to apply the skills and knowledge acquired in the two earlier humanities courses to environmental organizational issues. The focus is on the development of a series of viewpoints, and then the re-formulation of those viewpoints to take into account the world views and knowledge base of the
Thus the student becomes an agent of change who can skilfully design interventions to effect change in knowledge, attitude and behaviour. This course also explores a number of the current environmental and organizational issues, and to apply basic knowledge to the understanding of those issues, and to encourage students to participate in seeking solutions to these problems.

Notes:
(345-VSH-MC)
(3-0-3)

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 090
Credit Weight: 1
Transcript Title: Physical Activity and Health
Calendar Title: Physical Activity and Health (109-101-MQ).
Description:
This course will provide experience in some popular forms of training for fitness. The class format will be to have an exercise session in combination with a lecture for the first half of the class, followed by a game or activity. Sample activities are softball, soccer, touch rugby, woodsmen competition events, touch football, tennis, badminton, basketball and golf.
Notes:
(109-101-MQ)

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 091
Credit Weight: 1
Transcript Title: Phys Activity & Effectiveness
Calendar Title: Physical Activity and Effectiveness (109-102-MQ).
Description:
This course includes the practical application of games and activities most likely to be incorporated in rural community life. The activities included are: alpine and nordic skiing, broomball, hockey, curling, volleyball, indoor soccer, weight training and swimming.
Notes:
(109-102-MQ)

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 092
Credit Weight: 1
Transcript Title: Physical Activity and Autonomy
Calendar Title: Physical Activity and Autonomy (109-103-MQ).
Notes:
(109-103-MQ)
(1-1-1)

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 093
Credit Weight: 1
Transcript Title: Health and Physical Education
Calendar Title: Health and Physical Education.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 094
Credit Weight: 1
Transcript Title: Physical Activity
Calendar Title: Physical Activity (109-104-02).
Description:
This course includes the practical application of games and activities most likely to be incorporated in rural community life. The activities included are: alpine and nordic skiing, broomball, hockey, curling, volleyball, indoor soccer, weight training and swimming.
Notes:
(109-104-02)
(0-2-1)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 095
Credit Weight: 1
Transcript Title: Active Living
Calendar Title: Active Living (109-105-02).
Description:
As a follow-up to Health and Physical Education and Physical Activity courses, this course is to be designed by the student with approval and guidance from the instructor. This is to be done in such a manner as to demonstrate awareness of the principles of fitness and training. The program is intended to be able to stand alone and incorporate lifetime activities. Students may get together and use group activities as a supplement to their program. Elements of cardio-respiratory fitness, strength training, nutrition, weight control, stress management and flexibility should be included.
Notes:
(109-105-02)
(1-1-1)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active

FMTP 096
Credit Weight: 2
Transcript Title: Forests, Forestry and Society
Calendar Title: Forests, Forestry and Society (305-032-MC).
Description:
The study of the forest of Canada and of its associated forestry practices and economy. The canadian history of the interaction between man and the forest. Social issues influencing the future of our forest and the decision-making of forestry planners will be discussed and researched.
Notes:
(305-032-MC)
(3-0-3)
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Farm Mgmt & Technology Program
Status (catalog level): Active
**FMTP 097**

**Credit Weight:** 2

**Transcript Title:** Landscape Design

**Calendar Title:** Landscape Design (504-VSG-MC).

**Description:**
Landscape Design is a complementary course intended to broaden your education. The students will learn how to produce an artistic creation, in this case a landscape design, using the basic elements (lines, forms, colours and textures), symbols and techniques of landscape design; you will take into consideration both the aesthetics and the functions of landscapes as well as landscape styles (rural vs. urban, formal vs. informal, etc.). The students will learn to analyze an existing landscape as well as incorporate new design elements including plants (trees, shrubs, lawns, flowers) and inert materials (walls, fences, paths, buildings, etc.).

**Notes:**
(504-VSG-MC)
(3-0-3)

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Farm Mgmt & Technology Program

**Status (catalog level):** Active

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**FMTP 098**

**Credit Weight:** 2

**Transcript Title:** Français agricole

**Calendar Title:** Français agricole (602-VSG-MC).

**Description:**
The second French course is part of the general education core that is adapted to programs. Building on the skills improved in the first French course, this one will help the students develop the skills required in order to communicate in the forms appropriate to agriculture. By the end of the course, students will know and distinguish the communication methods related to agriculture. They will be able to understand and produce oral or written texts related to agriculture. They may also be able to interpret oral and written documents and to use various techniques associated with texts in the agriculture field. Students will therefore learn the selective use of appropriate terminology.

**Notes:**
(602-VSG-MC)
(3-0-3)

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Farm Mgmt & Technology Program

**Status (catalog level):** Active
FREN 198
Credit Weight: 3
Transcript Title: FYS: Intro to French & Québec Lit
Calendar Title: FYS: Introduction to French and Québec Literature.
Description: Introduction to French and Québec literature in English translation.
Notes: Course given in English. Students may take only one First Year Seminar. Students who register for more than one will be removed from all but one of them.
Restriction: Open only to newly admitted students in U0 or U1.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 201
Credit Weight: 3
Transcript Title: Le français littéraire (FLS)
Calendar Title: Le français littéraire (français langue seconde).
Description: Perfectionnement de l'expression écrite au contact d'une variété de textes littéraires et par la rédaction de courts textes d'invention.
Symbols: PRMT - Requires departmental approval
Notes: Préalable: avoir réussi le FRSL 431 ou avoir réussi ou être inscrit-e à au moins un des cours suivants : FRSL 445, FRSL 446, FRSL 449 ou FRSL 455. L'étudiant-e n'ayant complété ou n'étant inscrit-e à aucun de ces cours devra passer un test de classement. Effectifs contingentés. Autorisation départementale requise.
Cours réservé en priorité aux étudiant-es inscrit-e-s au programme B.A. ; Concentration mineure Langue & littérature françaises ; Langue française ou au programme B.A. ; Concentration mineure Langue & littérature françaises ; Traduction.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 203
Credit Weight: 3
Transcript Title: Analyse de textes (FLS)
Calendar Title: Analyse de textes (français langue seconde).
Description: Perfectionnement de l'expression écrite : analyse et apprentissage des règles de composition de divers genres de discours (textes argumentatifs, lettres, dialogues, récits, descriptions ou portraits).
Symbols: PRMT - Requires departmental approval
Notes: Préalable: avoir réussi le FRSL 431 ou avoir réussi ou être inscrit-e à au moins un des cours suivants : FRSL 445, FRSL 446, FRSL 449 ou FRSL 455. L'étudiant-e n'ayant complété ou n'étant inscrit-e à aucun de ces cours devra passer un test de classement. Effectifs contingentés. Autorisation départementale requise.
Cours réservé en priorité aux étudiant-es inscrit-e-s au programme B.A. ; Concentration mineure Langue et littérature françaises ; Langue française ou au programme B.A. ; Concentration mineure Langue et littérature françaises ; Traduction.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active
FREN 222
Credit Weight: 3
Transcript Title: Intro. aux études littéraires
Calendar Title: Introduction aux études littéraires.
Description: Présentation d'un aperçu global de la littérature de langue française, de ses enjeux et des grandes préoccupations qui y ont cours. Initiation aux grands principes de la lecture littéraire et à l'utilisation des principaux outils de consultation et de recherche.
Symbols: PRMT - Requires departmental approval
Notes: Restriction: Cours réservé aux étudiants inscrits à un programme du Département de langue et littérature françaises. Autorisation départementale requise.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 231
Credit Weight: 3
Transcript Title: Linguistique française
Calendar Title: Linguistique française.
Description: Bref historique de la linguistique française de F. de Saussure à nos jours. Description linguistique du français moderne (éléments de phonologie, de phonétique normative, de lexicologie, de sémantique évolutive et synchronique, de syntaxe et de morphologie).
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 239
Credit Weight: 3
Transcript Title: Stylistique comparée
Calendar Title: Stylistique comparée.
Description: Initiation aux principes de la traduction par une étude systématique des contrastes entre les structures linguistiques de l'anglais et du français. Une bonne connaissance des deux langues est nécessaire au départ.
Symbols: PRMT - Requires departmental approval
Notes: Préalable : test. Pas de préalable ni autorisation départementale pour la section hiver réservée aux étudiants de la Faculté d'éducation. Autorisation départementale requise. Effectifs contingentés. Priorité donnée aux étudiants inscrits dans les programmes de traduction.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 240
Credit Weight: 3
Transcript Title: Atelier d'écriture poétique
Calendar Title: Atelier d'écriture poétique.
Description: Pratique des formes et des techniques de la création poétique.
Notes:
Restriction: Autorisation départementale requise
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 244
Credit Weight: 3
Transcript Title: Traduction générale
Calendar Title: Traduction générale.
Description:
Exercices portant sur les éléments syntaxiques et lexicaux qui présentent des problèmes de traduction simples mais fréquents. Traduction de textes courts.
Symbols: PRMT - Requires departmental approval
Notes:
Fall
Préalable : FREN 239 ou test de classement. Autorisation départementale requise.
En cas de note insuffisante au test de classement, l'étudiant-e s'inscrira plutôt au cours FREN 239.
Cours réservé aux étudiants inscrits aux programmes de 1er cycle du Département de langue et littérature françaises pour lesquels ce cours est obligatoire ou complémentaire.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 245
Credit Weight: 3
Transcript Title: Grammaire normative
Calendar Title: Grammaire normative.
Description:
Révision des principales difficultés de la langue française.
Symbols: PRMT - Requires departmental approval
Notes:
Préalable : Autorisation départementale requise.
Cours réservé en priorité aux étudiant-e-s inscrit-e-s à l'un des programmes du Département de langue et littérature françaises.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 250
Credit Weight: 3
Transcript Title: Litt française avant 1800
Calendar Title: Littérature française avant 1800.
Description:
Introduction à la littérature française des origines à la fin du 18e siècle.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 251
Credit Weight: 3
Transcript Title: Litt française depuis 1800
Calendar Title: Littérature française depuis 1800.
Description:
Introduction à la littérature française des 19e et 20e siècles.

Notes:
Fall, Winter

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 252
Credit Weight: 3
Transcript Title: Littérature québécoise
Calendar Title: Littérature québécoise.
Description:
Introduction à la littérature québécoise des origines à nos jours.

Notes:
Fall, Winter

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 253
Credit Weight: 3
Transcript Title: Oeuvres culture occidentale
Calendar Title: Oeuvres culture occidentale.
Description:
L'introduction aux œuvres étrangères qui ont marqué durablement la culture et la littérature occidentales. Les œuvres au programme seront étudiées en traduction française.

Notes:
Cours à contenu variable.

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 310
Credit Weight: 3
Transcript Title: Cinéma français
Calendar Title: Cinéma français.
Description:
Étude d'œuvres ou de courants du cinéma français.

Symbols: ALTY - Taught in alternate years

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 311
Credit Weight: 3
Transcript Title: Cinéma francophone
Calendar Title: Cinéma francophone.
Description:
Étude d'œuvres ou de courants du cinéma francophone.

Symbols: ALTY - Taught in alternate years

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active
FREN 313
Credit Weight: 3
Transcript Title: Langage et littérature 1
Calendar Title: Langage et littérature 1.
Description: Analyse critique des théories du langage en les mettant à l'épreuve des textes littéraires; réflexion sur le statut de la langue littéraire, en liant l'évolution du français aux représentations qu'en donnent les écrivains.
Symbol: ALTY - Taught in alternate years
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 315
Credit Weight: 3
Transcript Title: Cinéma québécois
Calendar Title: Cinéma québécois.
Description: Étude thématique du cinéma québécois à travers ses principaux films.
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 320
Credit Weight: 3
Transcript Title: Traduire, écrire, expérimenter
Calendar Title: Traduire, écrire, expérimenter.
Description: Production de textes littéraires par le biais d'exercices liés aussi bien à la traduction qu'à des explorations diverses (détournements, pastiches, écriture à contraintes).
Notes: Restrictions: Autorisation départementale requise.
Language of instruction is French.
1. Cours réservé en priorité aux étudiant-e-s inscrit-e-s à l'un des programmes du Département de langue et littérature françaises.
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 324
Credit Weight: 3
Transcript Title: Traduction littéraire 1
Calendar Title: Traduction littéraire 1.
Description: Problèmes pratiques que pose la transposition en français de qualité d'un texte originellement rédigé en anglais littéraire.
Notes: Préalable: Autorisation départementale requise.
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 333
Credit Weight: 3
Transcript Title: Questions de litt. MÂ et A.Rég
Calendar Title: Questions de littérature du Moyen Âge et de l'Ancien Régime.
Description:
Cours à contenu variable sur la littérature française du Moyen Âge et de l'Ancien Régime.
Notes:
Préalable : FREN 222
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 334
Credit Weight: 3
Transcript Title: L'oeuvre au miroir critique
Calendar Title: L'oeuvre au miroir de la critique.
Description:
Ce cours aborde systématiquement les méthodes, notions et modèles théoriques susceptibles de s'appliquer à l'analyse descriptive des textes littéraires de genres et époques divers.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 335
Credit Weight: 3
Transcript Title: Théories littéraires 1
Calendar Title: Théories littéraires 1.
Description:
Introduction aux grands courants de la théorie et de la critique littéraires.
Notes:
Cours réservé aux étudiants du Département de la Langue et littérature françaises qui n'ont pas suivi le cours FREN 490.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 336
Credit Weight: 3
Transcript Title: Hist. de la langue française
Calendar Title: Histoire de la langue française.
Description:
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 337
Credit Weight: 3
Transcript Title: Textes, imaginaires, sociétés
Calendar Title: Textes, imaginaires, sociétés.
Description:
Application d'une approche critique à plusieurs textes littéraires.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 340
Credit Weight: 3
Transcript Title: Atelier d'écriture narrative
Calendar Title: Atelier d'écriture narrative.
Description: Pratique des formes et des techniques de la narration littéraire (nouvelle, roman, récit).
Notes: Restriction: Autorisation départementale requise.

FREN 341
Credit Weight: 3
Transcript Title: Traduction et recherche 1
Calendar Title: Traduction et recherche 1.
Description: Cours à contenu variable. Pratique de la traduction à partir de certaines questions de recherche qui y sont reliées.
Notes: Préalable: Autorisation départementale requise.

FREN 346
Credit Weight: 3
Transcript Title: Traduction avancée
Calendar Title: Traduction avancée.
Description: Stylistique comparée du français et de l'anglais; étude de procédés de traduction. Traduction de textes variés.
Symbols: PRMT - Requires departmental approval
Notes: Winter
Préalable : FREN 244

FREN 347
Credit Weight: 3
Transcript Title: Terminologie générale
Calendar Title: Terminologie générale.
Description: Étude empirique des différents stades dans le travail du terminologue: collection de données, production de fiches terminologiques, recherches ponctuelles et thématiques. Les problèmes terminologiques de la traduction. Étude de problèmes pratiques posés par la terminologie bilingue ou multilingue et ses répercussions dans un domaine particulier des connaissances humaines.
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 349
Credit Weight: 3
Transcript Title: Traduction et recherche 2
Calendar Title: Traduction et recherche 2.
Description: Cours à contenu variable. Pratique de la traduction à partir de certaines questions relevant de la traductologie.
Symbols: PRMT - Requires departmental approval
Notes:
Winter
Préalable : Autorisation départementale requise.
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 355
Credit Weight: 3
Transcript Title: Littérature du 20e siècle 1
Calendar Title: Littérature du 20e siècle 1.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française depuis 1900.
Notes:
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 356
Credit Weight: 3
Transcript Title: Grammaire du texte littéraire
Calendar Title: Grammaire du texte littéraire.
Description: Étude du fonctionnement de la grammaire dans les textes littéraires.
Notes:
Restrictions: Autorisation départementale requise.
1. Language of instruction is French.
2. Cours réservé en priorité aux étudiant-e-s inscrite-s à l'un des programmes du Département de langue et littérature françaises.
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 360
Credit Weight: 3
Transcript Title: La littérature du 19e siècle 1
Calendar Title: La littérature du 19e siècle 1.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 19e siècle.
Administrating Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 362
Credit Weight: 3  
Transcript Title: La litt du 17e siècle 1  
Calendar Title: La littérature du 17e siècle 1.  
Description:  
Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 17e siècle.  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language & Literature  
Status (catalog level): Active  

FREN 364  
Credit Weight: 3  
Transcript Title: La litt du 18e siècle 1  
Calendar Title: La littérature du 18e siècle 1.  
Description:  
Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 18e siècle.  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language & Literature  
Status (catalog level): Active  

FREN 366  
Credit Weight: 3  
Transcript Title: Litt de la Renaissance 1  
Calendar Title: Littérature de la Renaissance 1.  
Description:  
Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 16e siècle.  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language & Literature  
Status (catalog level): Active  

FREN 372  
Credit Weight: 3  
Transcript Title: Littérature québécoise 1  
Calendar Title: Littérature québécoise 1.  
Description:  
Étude d'oeuvres, d'auteurs ou de courants de la littérature québécoise des origines à nos jours.  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language & Literature  
Status (catalog level): Active  

FREN 375  
Credit Weight: 3  
Transcript Title: Théories littéraires 2  
Calendar Title: Théories littéraires 2.  
Description:  
Étude d'un grand courant de la théorie et de la critique.  
Notes:  
Language of instruction is French.  
1. Il n'est pas nécessaire d'avoir suivi le FREN 335 (« Théories littéraires 1 ») pour s'y inscrire.  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language & Literature  
Status (catalog level): Active
FREN 376
Credit Weight: 3
Transcript Title: Correction et révision
Calendar Title: Correction et révision.
Description: Principes et pratiques de la révision et de la correction de textes en vue de la publication.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 377
Credit Weight: 3
Transcript Title: Pratiques de l'édition littéraire.
Calendar Title: Pratiques de l'édition littéraire.
Description: Initiation aux techniques et aux règles de l'édition de textes littéraires.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 380
Credit Weight: 3
Transcript Title: Littératures francophones 1
Calendar Title: Littératures francophones 1.
Description: Étude d'une ou de plusieurs littératures francophones autres que les littératures québécoise et française.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 381
Credit Weight: 3
Transcript Title: Littératures francophones 2
Calendar Title: Littératures francophones 2.
Description: Étude d'œuvres, d'auteurs ou de courants d'une ou de plusieurs littératures francophones autres que les littératures québécoise et française.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 382
Credit Weight: 3
Transcript Title: Littérature québécoise 2
Calendar Title: Littérature québécoise 2.
Description: Étude d'œuvres, d'auteurs ou de courants de la littérature québécoise.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active
FREN 391
Credit Weight: 3
Transcript Title: Savoirs de la littérature 1
Calendar Title: Savoirs de la littérature 1.
Description: Étude de doctrines, de perspectives critiques ou d'enjeux théoriques permettant d'interpréter certaines des littératures de langue française.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 394
Credit Weight: 3
Transcript Title: Théories de la traduction
Calendar Title: Théories de la traduction.
Description: Étude de certaines théories de la traduction. Étude des liens entre la théorie et la pratique.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 420
Credit Weight: 3
Transcript Title: Enjeux de l'écriture litt.
Calendar Title: Enjeux de l'écriture littéraire.
Description: Exploration, sous différents angles (philosophique, sociologique, psychanalytique, féministe) des problèmes et enjeux de l'écriture littéraire.
Notes: Language of instruction is French.
1. Cours réservé en priorité aux étudiant-e-s inscrite-s à l'un des programmes du Département de langue et littérature françaises.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 422
Credit Weight: 3
Transcript Title: Le métier d'écrivain-e
Calendar Title: Le métier d'écrivain-e.
Description: Réflexion sur les problèmes et les enjeux de l'écriture littéraire à partir d'expériences concrètes du métier d'écrivain-e.
Notes: Language of instruction is French.
1. Cours réservé en priorité aux étudiant-e-s inscrite-s à l'un des programmes du Département de langue et littérature françaises.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 425
Credit Weight: 3
Transcript Title: Traduction et culture
Calendar Title: Traduction et culture.
Description: Étude traductologique de l'interrelation entre traduction et culture.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 431
Credit Weight: 3
Transcript Title: Traduction et révision
Calendar Title: Traduction et révision.
Description: Révision de textes, principes et pratiques de la révision unilingue et bilingue. Initiation au contrôle de la qualité. La profession de réviseur. Travaux pratiques.
Symbols: PRMT - Requires departmental approval
Notes:
Fall
Préalables : FREN 244. Autorisation départementale requise.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 434
Credit Weight: 3
Transcript Title: Sociolinguistique du français
Calendar Title: Sociolinguistique du français.
Description: Éléments de sociolinguistique et leur application aux pays francophones. Rapports entre les aspects phonologiques, grammaticaux et lexicologiques du parler et le milieu social. Langues en contact, planification linguistique.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 440
Credit Weight: 3
Transcript Title: Atelier d'écriture dramatique
Calendar Title: Atelier d'écriture dramatique.
Description: Pratique des formes et des techniques de la création théâtrale et cinématographique.
Notes: Restriction: Autorisation départementale requise.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 441
Credit Weight: 3
Transcript Title: Traduction français-anglais
Calendar Title: Traduction français-anglais.
Description: Traduction de textes généraux du français vers l'anglais.
Notes:
Préalable : FREN 244 ou permission du professeur.

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: French Language & Literature  
**Status (catalog level)**: Active

**FREN 443**  
**Credit Weight**: 3  
**Transcript Title**: Traduction littéraire 2  
**Calendar Title**: Traduction littéraire 2.  
**Description**: Traduction vers le français de textes originellement rédigés en anglais littéraire. Réflexion sur les enjeux de la traduction littéraire.  
**Notes**: Préalable : Autorisation départmentale requise.

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: French Language & Literature  
**Status (catalog level)**: Active

**FREN 444**  
**Credit Weight**: 3  
**Transcript Title**: Questions de litt. moderne  
**Calendar Title**: Questions de littérature moderne.  
**Description**: Cours à contenu variable portant sur la littérature française moderne (19e - 20e siècles).  
**Notes**: Préalable : FREN 222

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: French Language & Literature  
**Status (catalog level)**: Active

**FREN 450**  
**Credit Weight**: 3  
**Transcript Title**: Questions de litt. québécoise  
**Calendar Title**: Questions de littérature québécoise.  
**Description**: Cours à contenu variable portant sur la littérature québécoise.  
**Notes**: Préalable : FREN 222

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: French Language & Literature  
**Status (catalog level)**: Active

**FREN 453**  
**Credit Weight**: 3  
**Transcript Title**: Littérature du 20e siècle  
**Calendar Title**: Littérature du 20e siècle 2.  
**Description**: Étude d'oeuvres, d'auteurs et de thèmes importants de la littérature française du 20e siècle.  
**Notes**: Les étudiants qui ont suivi le cours FREN 351 ne seront pas admis.

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: French Language & Literature  
**Status (catalog level)**: Active
FREN 455
Credit Weight: 3
Transcript Title: La littérature médiévale 1
Calendar Title: La littérature médiévale 1.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du moyen-âge (des origines au 15e siècle).
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 456
Credit Weight: 3
Transcript Title: La littérature médiévale 2
Calendar Title: La littérature médiévale 2.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du moyen-âge (des origines au 15e siècle).
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 457
Credit Weight: 3
Transcript Title: La litt de la Renaissance 2
Calendar Title: La littérature de la Renaissance 2.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 16e siècle.
Notes: Les étudiants qui ont suivi le cours 125-367 ne seront pas admis
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 458
Credit Weight: 3
Transcript Title: La litt du 17e siècle 2
Calendar Title: La littérature du 17e siècle 2.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 17e siècle.
Notes: 
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 459
Credit Weight: 3
Transcript Title: La litt du 18e siècle 2
Calendar Title: La littérature du 18e siècle 2.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 18e siècle.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 460
Credit Weight: 3
Transcript Title: Atelier d'écriture
Calendar Title: Atelier d'écriture.
Description:
Initiation à l'expérience littéraire par la production d'un texte littéraire d'une vingtaine de pages.
Notes:
Language of instruction is French.
Restrictions: Autorisation départementale requise.
1. Cours réservé en priorité aux étudiant-e-s inscrite-s à l'un des programmes du Département de langue et littérature françaises.

FREN 461
Credit Weight: 3
Transcript Title: Enjeux litt et cult 1
Calendar Title: Enjeux littéraires et culturels 1.
Description:
Cours à contenu variable: un enjeu (question, thème, auteur, genre, période, etc.) de littérature, ou de culture, française ou francophone.
Notes:

FREN 464D1
Credit Weight: 3
Transcript Title: Mémoire de spécialisation
Calendar Title: Mémoire de spécialisation.
Description:
Travail sur un sujet spécialisé de critique littéraire, de théorie, de traduction ou de création. Ce travail peut être de nature appliquée, à condition qu'il contienne une composante critique.
Symbols: PRMT - Requires departmental approval
Notes:
Fall
Restriction : Cours réservé aux étudiant-e-s en dernière année de Spécialisation ou de Double Spécialisation. Autorisation départementale requise.
Les étudiants doivent s'inscrire aux cours FREN 464D1 et FREN 464D2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 464D1 et FREN 464D2 suivis en séquence.

FREN 464D2
Credit Weight: 3
Transcript Title: Mémoire de spécialisation
Calendar Title: Mémoire de spécialisation.
Description:
Voir FREN 464D1 pour la description.

Notes:
Winter
Préalable : FREN 464D1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 464D1 et FREN 464D2 suivis en séquence

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 464N1
Credit Weight: 3
Transcript Title: Mémoire de spécialisation
Calendar Title: Mémoire de spécialisation.
Description:
Travail sur un sujet spécialisé de critique littéraire, de théorie, de traduction ou de création. Ce travail peut être de nature appliquée, à condition qu'il contienne une composante critique.

Notes:
Les étudiants doivent s'inscrire au cours FREN 464N2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 464N1 et FREN 464N2 à l'intérieur d'une période de douze mois
Restriction : Cours réservé aux étudiant-e-s en dernière année de Spécialisation ou de Double Spécialisation. Autorisation départementale requise.

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Inactive

FREN 464N2
Credit Weight: 3
Transcript Title: Mémoire de spécialisation
Calendar Title: Mémoire de spécialisation.
Description:
Voir FREN 464N1 pour la description.

Notes:
Préalable : FREN 464N1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 464N1 et FREN 464N2 à l'intérieur d'une période de douze mois

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Inactive

FREN 472
Credit Weight: 3
Transcript Title: Enjeux litt et cult 2
Calendar Title: Enjeux littéraires et culturels 2.
Description:
Cours à contenu variable: un enjeu (thème, question, auteur, genre, période, etc.) de littérature, ou de culture, québécoise ou francocanadienne.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Inactive

FREN 476
Credit Weight: 3
Transcript Title: Le livre
Calendar Title: Le livre.
Description: Histoire du livre. Le livre dans le monde contemporain. La chaîne du livre, du manuscrit à l'oeuvre éditée.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 480
Credit Weight: 3
Transcript Title: Litt. québécoise contemporaine
Calendar Title: Littérature québécoise contemporaine.
Description: Histoire de la littérature québécois récente ou actuelle. Étude d'oeuvres représentatives.
Notes: 
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 482
Credit Weight: 3
Transcript Title: La littérature du 19e siècle 2
Calendar Title: La littérature du 19e siècle 2.
Description: Étude d'oeuvres, d'auteurs ou de courants de la littérature française du 19e siècle.
Notes: 
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 485
Credit Weight: 3
Transcript Title: Litt. française contemporaine
Calendar Title: Littérature française contemporaine.
Description: Études d'oeuvres, d'auteurs ou de thèmes importants de la littérature française récente et actuelle.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 491
Credit Weight: 3
Transcript Title: Langage et littérature 2
Calendar Title: Langage et littérature 2.
Description: Analyse critique des théories du langage en les mettant à l'épreuve des textes littéraires; réflexion sur le statut de la langue littéraire, en liant l'évolution du français aux représentations qu'en donnent les écrivains.
Notes: Restriction: Réservé aux étudiants inscrits en U2 et U3
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 492
Credit Weight: 3
Transcript Title: Histoire de la traduction
Calendar Title: Histoire de la traduction.
Description:
Histoire des pratiques et des théories de la traduction de l'Antiquité à nos jours.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 494
Credit Weight: 3
Transcript Title: Traduction spécialisée
Calendar Title: Traduction spécialisée.
Description:
Ce séminaire a pour but d'approfondir les connaissances dans une perspective d'exercice pratique de la traduction. Il ne s'agit pas de former les étudiants dans une langue de spécialité quelconque, mais plutôt de faciliter la compréhension de textes portant sur les différentes disciplines ou faisant intervenir les notions propres à celles-ci.
Notes:
Préalable : FREN 431 ou permission du professeur.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 496
Credit Weight: 3
Transcript Title: Savoirs de la littérature 2
Calendar Title: Savoirs de la littérature 2.
Description:
Étude de doctrines, de perspectives critiques ou d'enjeux théoriques permettant d'interpréter certaines des littératures de langue française.
Notes:
Il n'est pas nécessaire d'avoir suivi le FREN 391 («Savoirs de la littérature 1») pour s'y inscrire.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 498
Credit Weight: 3
Transcript Title: Questions de littérature 3
Calendar Title: Questions de littérature 3.
Description:
Cours à contenu variable: un thème de théorie ou de critique.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 550
Credit Weight: 3
Transcript Title: Lectures guidées 1
Calendar Title: Lectures guidées 1.
Description: Travail de recherche individuel mené sous la supervision d'un·e professeur·e du Département des littératures de langue française, de traduction et de création.
Symbols: PRMT - Requires departmental approval
Notes: Fall
Restriction: Réservé aux étudiant·es du Département des littératures de langue française, de traduction et de création. Autorisation départementale requise.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 551
Credit Weight: 3
Transcript Title: Lectures guidées 2
Calendar Title: Lectures guidées 2.
Description: Travail de recherche interdisciplinaire individuel mené sous la supervision d'un·e professeur·e du Département des littératures de langue française, de traduction et de création.
Symbols: PRMT - Requires departmental approval
Notes: Winter
Restrictions: Réservé aux étudiant·es hors-département. Autorisation départementale requise.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 595
Credit Weight: 3
Transcript Title: Séminaire avancé de recherche
Calendar Title: Séminaire avancé de recherche.
Description: Séminaire à contenu variable portant sur une problématique de recherche en études ou pratiques littéraires.
Notes: Restrictions : Séminaire réservé aux étudiant·e·s de dernière année du programme B.A.; Spécialisation Langue & littérature françaises ; Études et pratiques littéraires.
Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 599
Credit Weight: 3
Transcript Title: Stage en milieu de travail
Calendar Title: Stage en milieu de travail.
Description: Stage en milieu de travail dans une institution ou organisation approuvée.
Symbols: PRMT - Requires departmental approval
Notes:
Ouvert aux étudiants de U3 avec une moyenne de 3,3 pour l'ensemble du programme, dans un programme de Spécialisation ou de Concentration majeure du Département; les trois crédits comptent parmi les crédits libres ("electives"); permission du comité des études requise. Pour les étudiants de M.A. ou de Ph.D., permission du comité des études de 2e et 3e cycles; à noter que ces crédits ne peuvent pas compter comme crédits de programme de M.A. ou de Ph.D. Une description complète des exigences et des modalités du stage est affichée sur le site web du Département. Ces exigences sont les suivantes : présentation par l'étudiant d'un projet de stage précisant quelle sera l'institution hôte et en quoi consistera le stage; présentation par l'étudiant d'un compte rendu de son stage approuvé par un superviseur de l'institution hôte; et rédaction d'un travail universitaire sur un sujet relié au stage.

Administering Faculty: Faculty of Arts
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 600
Credit Weight: 3
Transcript Title: Travaux dirigés 1
Calendar Title: Travaux dirigés 1.
Description: Tutorat. L'étudiant(e) travaille sur un sujet approuvé par son superviseur.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 601
Credit Weight: 3
Transcript Title: Travaux dirigés 2
Calendar Title: Travaux dirigés 2.
Description: Tutorat. L'étudiant(e) travaille sur un sujet approuvé par son superviseur.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 609
Credit Weight: 3
Transcript Title: Atelier de création littéraire
Calendar Title: Atelier de création littéraire.
Description: Atelier de création littéraire.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 611
Credit Weight: 3
Transcript Title: L'expérience littéraire
Calendar Title: L'expérience littéraire.
Description: Séminaire à contenu variable abordant divers aspects de la création littéraire.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active
FREN 612
Credit Weight: 3
Transcript Title: Séminaire de recherche 1
Calendar Title: Séminaire de recherche 1.
Description: Séminaire à contenu variable sur une question de critique ou d'histoire littéraire.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 613
Credit Weight: 3
Transcript Title: Séminaire de recherche 2
Calendar Title: Séminaire de recherche 2.
Description: Séminaire à contenu variable sur une question de critique ou d'histoire littéraire.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 615
Credit Weight: 3
Transcript Title: Littérature et société 1
Calendar Title: Littérature et société 1.
Description: Séminaire à contenu variable dans le domaine de la littérature et de la société.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 620
Credit Weight: 3
Transcript Title: Évolution-Langue français au Cda
Calendar Title: Évolution - Langue française au Canada.
Description: Séminaire au sujet de l'évolution de la langue française au Canada.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 621
Credit Weight: 3
Transcript Title: Problèmes d'esthétique 1
Calendar Title: Problèmes d'esthétique 1.
Description: Séminaire à contenu variable dans le domaine de l'esthétique littéraire.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 624
Credit Weight: 3
Transcript Title: Questions de genre 1
Calendar Title: Questions de genre 1.
Description: Séminaire à contenu variable sur une question de genre ou de forme littéraire.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 626
Credit Weight: 3
Transcript Title: Questions de genre 2
Calendar Title: Questions de genre 2.
Description: Poétique du récit de voyage.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 628
Credit Weight: 3
Transcript Title: Théorie littéraire 1
Calendar Title: Théorie littéraire 1.
Description: Séminaire à contenu variable dans le domaine de la théorie littéraire.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 629
Credit Weight: 3
Transcript Title: Histoire des idées
Calendar Title: Histoire des idées.
Description: Séminaire à contenu variable dans le domaine de l'histoire des idées.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 694
Credit Weight: 3
Transcript Title: Théorie littéraire 2
Calendar Title: Théorie littéraire 2.
Description: Séminaire à contenu variable dans le domaine de la théorie littéraire.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 696
Credit Weight: 3
Transcript Title: Élaboration projet de mémoire
Calendar Title: Élaboration projet de mémoire.
Description: Après consultation avec le Directeur, soumission d'un travail qui précise le sujet, la problématique, la méthode et la bibliographie du projet de mémoire.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 697
Credit Weight: 3
Transcript Title: Méthodologie&Théorie Litt
Calendar Title: Méthodologie et théorie littéraires.
Description:
Ce séminaire présente annuellement un courant théorique dans le domaine des études littéraire de la langue française. Il intègre la présentation par les étudiants de leurs sujets de mémoire, de leurs approches et de leurs méthodologies.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 698
Credit Weight: 18
Transcript Title: Master's Seminar
Calendar Title: Master's Seminar.
Description:
Réservé aux étudiants de M.A. qui sont inscrits à la maîtrise sans mémoire.
Rédaction et présentation de 3 travaux de 30 pages chacun (sous la supervision de 3 professeurs).
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 699
Credit Weight: 24
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Rédaction d'un mémoire de maîtrise.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 699D1
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Rédaction d'un mémoire de maîtrise.
Notes:
Les étudiants doivent aussi s'inscrire au cours FREN 699D2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 699D1 et FREN 699D2 suivis en séquence
FREN 699D1 et FREN 699D2 ensemble sont équivalents à FREN 699
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 699D2
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Voir FREN 699D1 pour la description.

Notes:
Préalable : FREN 699D1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 699D1 et FREN 699D2 suivis en séquence
FREN 699D1 et FREN 699D2 ensemble sont équivalents à FREN 699

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 699N1
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Rédaction d'un mémoire de maîtrise.

Notes:
Les étudiants doivent aussi s'inscrire au cours FREN 699N2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 699N1 et FREN 699N2 à l'intérieur d'une période de douze mois
FREN 699N1 et FREN 699N2 ensemble sont équivalents à FREN 699

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 699N2
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Voir FREN 699N1 pour la description.

Notes:
Préalable: FREN 699N1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 699N1 et FREN 699N2 à l'intérieur d'une période de douze mois
FREN 699N1 et FREN 699N2 ensemble sont équivalents à FREN 699

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 706
Credit Weight: 0
Transcript Title: Élaboration du sujet de thèse
Calendar Title: Élaboration du sujet de thèse.
Description:
Après consultation avec le Directeur de thèse, soumission d'un travail qui précise le sujet, la problématique, la méthode et la bibliographie de la thèse.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 706D1
Credit Weight: 0
Transcript Title: Élaboration du sujet de thèse
Calendar Title: Élaboration du sujet de thèse.
Après consultation avec le Directeur de thèse, soumission d'un travail qui précise le sujet, la problématique, la méthode et la bibliographie de la thèse.

Notes:
Les étudiants doivent aussi s'inscrire au cours FREN 706D2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 706D1 et FREN 706D2 suivis en séquence
FREN 706D1 et FREN 706D2 ensemble sont équivalents à FREN 706

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 706D2
Credit Weight: 0
Transcript Title: Élaboration du sujet de thèse
Calendar Title: Élaboration du sujet de thèse.
Description: Voir FREN 706D1 pour la description.
Notes: Préalable: FREN 706D1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 706D1 et FREN 706D2 suivis en séquence
FREN 706D1 et FREN 706D2 ensemble sont équivalents à FREN 706

FREN 706N1
Credit Weight: 0
Transcript Title: Élaboration du sujet de thèse
Calendar Title: Élaboration du sujet de thèse.
Description: Après consultation avec le Directeur de thèse, soumission d'un travail qui précise le sujet, la problématique, la méthode et la bibliographie de la thèse.
Notes: Les étudiants doivent aussi s'inscrire au cours FREN 706N2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 706N1 et FREN 706N2 à l'intérieur d'une période de douze mois
FREN 706N1 et FREN 706N2 ensemble sont équivalents à FREN 706

FREN 706N2
Credit Weight: 0
Transcript Title: Élaboration du sujet de thèse
Calendar Title: Élaboration du sujet de thèse.
Description: Voir FREN 706N1 pour la description.
Notes: Préalable: FREN 706N1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 706N1 et FREN 706N2 à l'intérieur d'une période de douze mois
FREN 706N1 et FREN 706N2 ensemble sont équivalents à FREN 706
Status (catalog level): Active

FREN 707
Credit Weight: 0
Transcript Title: Examen préliminaire
Calendar Title: Examen préliminaire.
Description: Épreuve qui consiste en la préparation d'un texte écrit suivie d'une interrogation orale par un jury.
Notes:
Préalable: FREN 706.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 707D1
Credit Weight: 0
Transcript Title: Examen préliminaire
Calendar Title: Examen préliminaire.
Description: Épreuve qui consiste en la préparation d'un texte écrit suivie d'une interrogation orale par un jury.
Notes:
Préalable : FREN 606
Les étudiants doivent aussi s'inscrire au cours FREN 707D2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 707D1 et FREN 707D2 suivis en séquence
FREN 707D1 et FREN 707D2 ensemble sont équivalents à FREN 707
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 707D2
Credit Weight: 0
Transcript Title: Examen préliminaire
Calendar Title: Examen préliminaire.
Description: Voir FREN 707D1 pour la description.
Notes:
Préalable: FREN 707D1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 707D1 et FREN 707D2 suivis en séquence
FREN 707D1 et FREN 707D2 ensemble sont équivalents à FREN 707
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 707N1
Credit Weight: 0
Transcript Title: Examen préliminaire
Calendar Title: Examen préliminaire.
Description: Épreuve qui consiste en la préparation d'un texte écrit suivie d'une interrogation orale par un jury.
Notes:
Préalable : FREN 706
Les étudiants doivent aussi s'inscrire au cours FREN 707N2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN
707N1 et FREN 707N2 à l'intérieur d'une période de douze mois
FREN 707N1 et FREN 707N2 ensemble sont équivalents à FREN 707

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 707N2
Credit Weight: 0
Transcript Title: Examen préliminaire
Calendar Title: Examen préliminaire.
Description: Voir FREN 707N1 pour la description.
Notes: Préalable : FREN 707N1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN
707N1 et FREN 707N2 à l'intérieur d'une période de douze mois
FREN 707N1 et FREN 707N2 ensemble sont équivalents à FREN 707

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 710
Credit Weight: 1.5
Transcript Title: Séminaire de doctorat 1
Calendar Title: Séminaire de doctorat 1.
Description: Ce séminaire porte sur les aspects théoriques et méthodologiques du projet de
thèse des candidats. Il se veut un lieu privilégié d'échanges et de réflexions où
l'on discutera principalement des nouvelles problématiques textuelles, des enjeux
théoriques contemporains et des questions d'actualité littéraire.
Notes: Restriction: Réservé aux étudiants de Ph.D. du Département.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 711
Credit Weight: 1.5
Transcript Title: Séminaire de doctorat 2
Calendar Title: Séminaire de doctorat 2.
Description: Ce séminaire prolonge la réflexion amorcée au sein du Séminaire de doctorat 1.
Notes: Préalable: FREN 710
Restriction: Réservé aux étudiants de Ph.D. du Département.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 712
Credit Weight: 3
Transcript Title: Séminaire de recherche 3
Calendar Title: Séminaire de recherche 3.
Description:
Séminaire à contenu variable sur une question de critique ou d'histoire littéraire.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** French Language & Literature  
**Status (catalog level):** Active

**FREN 720**  
**Credit Weight:** 3  
**Transcript Title:** Moyen Âge 1  
**Calendar Title:** Moyen Âge 1.  
**Description:** La littérature du Moyen Âge.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** French Language & Literature  
**Status (catalog level):** Active

**FREN 723**  
**Credit Weight:** 3  
**Transcript Title:** 16e siècle 1  
**Calendar Title:** 16e siècle 1.  
**Description:** La littérature du XVIe siècle.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** French Language & Literature  
**Status (catalog level):** Active

**FREN 724**  
**Credit Weight:** 3  
**Transcript Title:** 16e siècle 2  
**Calendar Title:** 16e siècle 2.  
**Description:** La littérature du XVIe siècle.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** French Language & Literature  
**Status (catalog level):** Active

**FREN 725**  
**Credit Weight:** 3  
**Transcript Title:** Séminaire de recherche 5  
**Calendar Title:** Séminaire de recherche 5.  
**Description:** Séminaire à contenu variable sur une question de critique ou d'histoire littéraire.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** French Language & Literature  
**Status (catalog level):** Active

**FREN 726**  
**Credit Weight:** 3  
**Transcript Title:** 17e siècle 1  
**Calendar Title:** 17e siècle 1.  
**Description:** Séminaire à contenu variable sur la littérature du 17e siècle.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** French Language & Literature  
**Status (catalog level):** Active
FREN 727
Credit Weight: 3
Transcript Title: 17e siècle 2
Calendar Title: 17e siècle 2.
Description: La littérature du XVIIe siècle.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 729
Credit Weight: 3
Transcript Title: 18e siècle 1
Calendar Title: 18e siècle 1.
Description: La littérature et la table au XVIIIe siècle.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 730
Credit Weight: 3
Transcript Title: 18e siècle 2
Calendar Title: 18e siècle 2.
Description: La littérature du XVIIIe siècle.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 731
Credit Weight: 3
Transcript Title: 18e siècle 3
Calendar Title: 18e siècle 3.
Description: La littérature du XVIIIe siècle.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 737
Credit Weight: 3
Transcript Title: 20e siècle 1
Calendar Title: 20e siècle 1.
Description: Nouveau Roman et autobiographie.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 738
Credit Weight: 3
Transcript Title: 20e siècle 2
Calendar Title: 20e siècle 2.
Description:
La littérature du XXe siècle.

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 751
Credit Weight: 3
Transcript Title: Roman québécois 2
Calendar Title: Roman québécois 2.
Description:
Romancières québécoises.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 755
Credit Weight: 3
Transcript Title: Poésie québécoise 1
Calendar Title: Poésie québécoise 1.
Description:
Séminaire à contenu variable sur la poésie québécoise.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 756
Credit Weight: 3
Transcript Title: Poésie québécoise 2
Calendar Title: Poésie québécoise 2.
Description:
Séminaire à contenu variable sur la poésie québécoise.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 759
Credit Weight: 3
Transcript Title: Séminaire de recherche 6
Calendar Title: Séminaire de recherche 6.
Description:
Séminaire à contenu variable sur une question de critique ou d'histoire littéraire.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 761
Credit Weight: 3
Transcript Title: Thème de litt québécoise 1
Calendar Title: Thème de littérature québécoise 1.
Description:
Séminaire à contenu variable sur la littérature québécoise.
Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active
FREN 762
Credit Weight: 3
Transcript Title: Thème de litt Québécoise 2
Calendar Title: Thème de littérature Québécoise 2.
Description: Séminaire à contenu variable sur la littérature québécoise.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 765
Credit Weight: 3
Transcript Title: Littératures francophones 1
Calendar Title: Littératures francophones 1.
Description: Séminaire à contenu variable dans le domaine des littératures francophones.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 790
Credit Weight: 0
Transcript Title: Language Requirement
Calendar Title: Language Requirement.
Description: Épreuve d'anglais. Consulter le Département.
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 790D1
Credit Weight: 0
Transcript Title: Language Requirement
Calendar Title: Language Requirement.
Description: Épreuve d'anglais. Consulter le Département.
Notes: Les étudiants doivent aussi s'inscrire au cours FREN 790D2
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 790D1 et FREN 790D2 suivis en séquence
FREN 790D1 et FREN 790D2 ensemble sont équivalents à FREN 790
Administrating Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active

FREN 790D2
Credit Weight: 0
Transcript Title: Language Requirement
Calendar Title: Language Requirement.
Description: Voir FREN 790D1 pour la description.
Notes: Préalable : FREN 790D1
Aucun crédit ne sera accordé pour ce cours à moins de réussir les deux cours FREN 790D1 et FREN 790D2 suivis en séquence
FREN 790D1 et FREN 790D2 ensemble sont équivalents à FREN 790

Administering Faculty: Graduate Studies
Teaching Department: French Language & Literature
Status (catalog level): Active
FRSL 101
Credit Weight: 3
Transcript Title: Beginners French 1
Calendar Title: Beginners French 1.
Description:
A comprehensive introduction to basic vocabulary, grammatical structures and
speech patterns of written and oral French for students in any degree program
having no previous knowledge of French. Learning to communicate at a functional
level in a French-speaking environment. Short essays, cultural readings, mandatory
lab practice.
Notes:
Prerequisite: Placement test
Language laboratory and oral practice with a French monitor if available.
Placement test. No knowledge of French.
Restriction: Not open to students who have taken FRSL 101D1/D2, FRSL 103, FRSL
104, or FRSL 105.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 102
Credit Weight: 3
Transcript Title: Beginners French 2
Calendar Title: Beginners French 2.
Description:
A comprehensive introduction to basic vocabulary, grammatical structures and
speech patterns of written and oral French for students in any degree program
having no previous knowledge of French. Learning to communicate at a functional
level in a French-speaking environment. Short essays, cultural readings, mandatory
lab practice.
Notes:
Language laboratory and oral practice with a French monitor if available.
Prerequisite: FRSL 101
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 103
Credit Weight: 3
Transcript Title: Near Beginners French
Calendar Title: Near Beginners French.
Description:
Refresher course for students who have very little previous French instruction.
Instructions in basic vocabulary and grammar applied to oral/written French.
Cultural texts, short essay, and practice of basic speech patterns.
Notes:
Prerequisite: Placement test.
Restriction: Not open to students who have taken or are taking FRSL 102 or FRSL
105.
Note: For students in any degree program whose knowledge of French is
insufficient to qualify for Elementary French (determined by the Placement Test).
3 credits, 3 hours, plus mandatory language laboratory. Not open to student who
have grade 10 French or higher in Canada or equivalent (unless special permission
is granted).
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active
FRSL 104
Credit Weight: 3
Transcript Title: Corrective Fren Pronunciation
Calendar Title: Corrective French Pronunciation.
Description:
Introduction to French phonetics. Course designed for students who have some previous knowledge of French at a Beginner/Elementary level and need to work on pronunciation, auditory discrimination and oral expression in order to continue developing their French skills. Corrective phonetics. Intensive oral practice. Guided work in language lab.
Notes:
Prerequisite: Placement test or Instructor's recommendation.
Restrictions: Not open to students above Elementary level French. Not open to students with no previous knowledge of French.
Note: 2 hours of oral work, 1 hour of language lab. The course may be taken concurrently with FRSL 101, 102,105, 206 / 207 / 208.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 105
Credit Weight: 6
Transcript Title: Intensive Beginners French
Calendar Title: Intensive Beginners French.
Description:
A comprehensive introduction to basic vocabulary, grammatical structures and speech patterns of written and oral French for students in any degree program having no previous knowledge of French. Learning to communicate at a functional level in a French social milieu, short essays, cultural readings, mandatory lab practice and conversation class.
Notes:
Fall
6 hours, plus language laboratory and oral practice with a French monitor
Prerequisite: Placement test
Restriction: Not open to students who have taken FRSL 201 or FRSL 205 or FRSL 101 or FRSL 102.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 206
Credit Weight: 3
Transcript Title: Elementary French
Calendar Title: Elementary French.
Description:
This one-term course uses a task-based approach to provide students with authentic materials related to Canadian culture and prepares them for real life communication. Therefore, class time will be mostly dedicated to the completion of communicative tasks which often rely on the use of technology (mobile apps, blogs and other online tools). This course tackles different topics that students can relate to in their personal, social and academic life, and provides a review and further training in elementary language structures to develop their communication skills and digital literacy in French.
Notes:
Fall
3 hours, plus language laboratory
Prerequisites: FRSL 101 and FRSL102, or FRSL 103, or FRSL 104, or FRSL 105, or Placement test.
Restriction: Not open to students who have taken Grade 12 or 13 French in Canada, or equivalent or FRSL 207. Only with special permission of the department.

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 207
Credit Weight: 6
Transcript Title: Elementary French 01
Calendar Title: Elementary French 01.
Description:
This two-term course uses a task-based approach to provide students with authentic materials related to Canadian culture and prepares them for real life communication. Therefore, class time will be mostly dedicated to the completion of communicative tasks which often rely on the use of technology (mobile apps, blogs and other online tools). This course tackles different topics that students can relate to in their personal, social and academic life, and provides a review and further training in elementary language structures to develop their communication skills and digital literacy in French.

Notes:
Language laboratory
Prerequisite(s): FRSL 101 and FRSL 102, or FRSL 103, or FRSL 104, or FRSL 105, or Placement test required.
Restriction: Not open to students who have taken Grade 12 or 13 French in Canada, or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 207D1
Credit Weight: 3
Transcript Title: Elementary French 01
Calendar Title: Elementary French 01.
Description:
This two-term course uses a task-based approach to provide students with authentic materials related to Canadian culture and prepares them for real life communication. Therefore, class time will be mostly dedicated to the completion of communicative tasks which often rely on the use of technology (mobile apps, blogs and other online tools). This course tackles different topics that students can relate to in their personal, social and academic life, and provides a review and further training in elementary language structures to develop their communication skills and digital literacy in French.

Notes:
3 hours, plus language laboratory
Prerequisite(s): FRSL 101 and FRSL 102, or FRSL 103, or FRSL 104, or FRSL 105, or Placement test required.
Restriction: Not open to students who have taken Grade 12 or 13 French in Canada, or equivalent
Students must register for both FRSL 207D1 and FRSL 207D2.
No credit will be given for this course unless both FRSL 207D1 and FRSL 207D2 are successfully completed in consecutive terms.
FRSL 207D1 and FRSL 207D2 together are equivalent to FRSL 207

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre  
Status (catalog level): Active

FRSL 207D2  
Credit Weight: 3  
Transcript Title: Elementary French 01  
Calendar Title: Elementary French 01.  
Description:  
See FRSL 207D1 for course description.  
Notes:  
Prerequisite(s): FRSL 207D1 and FRSL 101 and FRSL 102, or FRSL 103, or FRSL 104, or FRSL 105, or Placement test required.  
No credit will be given for this course unless both FRSL 207D1 and FRSL 207D2 are successfully completed in consecutive terms  
FRSL 207D1 and FRSL 207D2 together are equivalent to FRSL 207  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language Centre  
Status (catalog level): Active

FRSL 208  
Credit Weight: 6  
Transcript Title: Intensive Elementary French  
Calendar Title: Intensive Elementary French.  
Description:  
This one-term intensive course uses a task-based approach to provide students with authentic materials related to Canadian culture and prepares them for real life communication. Therefore, class time will be mostly dedicated to the completion of communicative tasks which often rely on the use of technology (mobile apps, blogs and other online tools). This course tackles different topics that students can relate to in their personal, social and academic life, and provides a review and further training in elementary language structures to develop their communication skills and digital literacy in French.  
Notes:  
6 hours, plus language laboratory  
Prerequisites: FRSL 101 and FRSL 102, or FRSL 103, or FRSL 104, or FRSL 105, or Placement test.  
Restriction: Not open to students who have taken Grade 12 or 13 French in Canada, or equivalent or FRSL 207  
Administering Faculty: Faculty of Arts  
Teaching Department: French Language Centre  
Status (catalog level): Active

FRSL 209  
Credit Weight: 3  
Transcript Title: Français oral élémentaire: SSS  
Calendar Title: Français oral élémentaire : santé et services sociaux .  
Description:  
This course is designed for students from a variety of disciplines (health and social work) to help them interact with clients despite their basic level of French language skills. Various communication situations with clients in clinical settings, review of basic linguistic elements - lexical, grammatical and stylistic as used in professional communication. Acquisition of efficient communication strategies.  
Notes:  
Prerequisites: French placement test or instructor's recommendation or FRSL 102, FRSL 105.
Restrictions: Not open to students who have taken FRSL 332-04 prior to fall 2018.

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 210
Credit Weight: 3
Transcript Title: Français oral interm 1 : SSS
Calendar Title: Français oral intermédiaire 1 : santé et services sociaux.
Description: This course is designed for students from a variety of disciplines (health and social work) to help them interact with clients despite their limited knowledge of French language skills. Various situations of clinical communication with clients, study of linguistic elements taught at the Intermediate 1 level – lexical, grammatical and stylistic as used in professional communication. Acquisition of efficient communication strategies.
Notes: Prerequisites: French Placement Test or instructor's recommendation or FRSL 207, FRSL 209.
Restrictions: Not open to students who have taken FRSL 333-04 prior to fall 2018

FRSL 211
Credit Weight: 6
Transcript Title: Oral and Written French 1
Calendar Title: Oral and Written French 1.
Description: Language lab attendance required. Grammar review, comprehension, vocabulary development, selected readings and group discussions.
Notes: Language laboratory
Prerequisite(s): FRSL 207D1 and 207D2, or 208, or Placement test
Restriction: Not open to students from Québec

FRSL 211D1
Credit Weight: 3
Transcript Title: Oral and Written French 1
Calendar Title: Oral and Written French 1.
Description: Language lab attendance required. Grammar review, comprehension, vocabulary development, selected readings and group discussions.
Notes: 3 hours, plus language laboratory
Prerequisite(s): FRSL 207D1 and 207D2, or 208, or Placement test
Restriction: Not open to students from Québec
Students must register for both FRSL 211D1 and FRSL 211D2.
No credit will be given for this course unless both FRSL 211D1 and FRSL 211D2 are successfully completed in consecutive terms
FRSL 211D1 and FRSL 211D2 together are equivalent to FRSL 211
FRSL 211D2
Credit Weight: 3
Transcript Title: Oral and Written French 1
Calendar Title: Oral and Written French 1.
Description:
See FRSL 211D1 for course description.
Notes:
Prerequisite(s): FRSL 207D1 and 207D2, or 208, or Placement test
No credit will be given for this course unless both FRSL 211D1 and FRSL 211D2 are successfully completed in consecutive terms
FRSL 211D1 and FRSL 211D2 together are equivalent to FRSL 211

FRSL 212
Credit Weight: 3
Transcript Title: Oral & Written French 1
Calendar Title: Oral and Written French 1.
Description:
Equivalent to the first half of FRSL 211. Only with special permission of the Department.
Notes:
Fall
3 hours, plus language laboratory
Prerequisite: Placement test

FRSL 215
Credit Weight: 6
Transcript Title: Oral&Writ French 1-Intensive
Calendar Title: Oral and Written French 1 - Intensive.
Description:
Language lab attendance required. Grammar review, comprehension, vocabulary development, selected readings and group discussions.
Notes:
Fall
6 hours, plus language laboratory
Prerequisite(s): FRSL 207D1 and 207D2, or 208, or Placement test
Restriction: Not open to students from Québec

FRSL 219
Credit Weight: 3
Transcript Title: Français interm 1: diétét&nutr
Calendar Title: Français intermédiaire 1 : diététique et nutrition.
Description:
This course is designed for future diieticians and nutritionists at an intermediate level, but not French speaking, who would like to improve their French oral and written skills while studying specialized vocabulary related to dietetics and
nutrition. This course will help prepare them for practicums or work placements (stages) in French speaking environments as well as for their professional exams. Topics of discussion, grammar points, exercises and activities focus on developing the necessary French skills for these future professionals to carry out their tasks as dieticians and nutritionists.

**Notes:**
Prerequisites: French Placement Test or Instructor's recommendation or FRSL 209, FRSL 210 or FRSL 211.
Restrictions: Not open to students who have taken FRSL 332-003 prior to fall 2018.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** French Language Centre
**Status (catalog level):** Active

**FRSL 302**
**Credit Weight:** 3
**Transcript Title:** Listening Comp & Oral Exp 1
**Calendar Title:** Listening Comprehension and Oral Expression 1.
**Description:** Focus on oral discrimination, global comprehension and corrective phonetics.
**Notes:**
Fall
3 hours, plus language laboratory
Prerequisite: Placement test. For students who have reached a good standard in grammar and written French but who have difficulty in understanding spoken French and therefore cannot communicate effectively.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** French Language Centre
**Status (catalog level):** Active

**FRSL 303**
**Credit Weight:** 3
**Transcript Title:** Listening Comp & Oral Exp 2
**Calendar Title:** Listening Comprehension and Oral Expression 2.
**Description:** Emphasis will be on the development of oral communication skills, laboratory exercises, vocabulary building, discussions.
**Notes:**
Winter
3 hours, plus language laboratory
Prerequisite(s): FRSL 302, or instructor's recommendation, or Placement test required.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** French Language Centre
**Status (catalog level):** Active

**FRSL 321**
**Credit Weight:** 6
**Transcript Title:** Oral and Written French 2
**Calendar Title:** Oral and Written French 2.
**Description:** Oral work involving discussion and exposés, cultural and literary readings, grammar review. Methodological component integrated in classwork and developed in frequent workshop sessions.
**Notes:**
Prerequisite(s): FRSL 211D1 and 211D2, or 215 or 302 or 303, or Placement test required.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 321D1
Credit Weight: 3
Transcript Title: Oral and Written French 2
Calendar Title: Oral and Written French 2.
Description:
Oral work involving discussion and exposés, cultural and literary readings, grammar review. Methodological component integrated in classwork and developed in frequent workshop sessions.
Notes:
3 hours
Prerequisite(s): FRSL 211D1 and 211D2, or 215 or 302 or 303, or Placement test required.
Students must register for both FRSL 321D1 and FRSL 321D2.
No credit will be given for this course unless both FRSL 321D1 and FRSL 321D2 are successfully completed in consecutive terms.
FRSL 321D1 and FRSL 321D2 together are equivalent to FRSL 321.

FRSL 321D2
Credit Weight: 3
Transcript Title: Oral and Written French 2
Calendar Title: Oral and Written French 2.
Description:
See FRSL 321D1 for course description.
Notes:
Prerequisite: FRSL 321D1
No credit will be given for this course unless both FRSL 321D1 and FRSL 321D2 are successfully completed in consecutive terms.
FRSL 321D1 and FRSL 321D2 together are equivalent to FRSL 321.

FRSL 322
Credit Weight: 3
Transcript Title: Oral & Written French 2
Calendar Title: Oral and Written French 2.
Description:
Equivalent to the first half of FRSL 321. Only with special permission of the Department.
Notes:
Fall
3 hours

FRSL 325
Credit Weight: 6
Transcript Title: Oral&Writ French 2-Intensive
Calendar Title: Oral and Written French 2 - Intensive.
Description: The program of FRSL 321 will be covered in one semester.
Notes: Winter
6 hours
Prerequisites: FRSL 211D1 and 211D2, or 215 or 302 or 303, or Placement test required
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 329
Credit Weight: 3
Transcript Title: Franç écrit en contexte 1: SSS
Calendar Title: Français écrit en contexte 1 : santé et services sociaux.
Description: Pour pouvoir exercer au Québec, les professionnels de la santé et des services sociaux doivent satisfaire aux exigencies de l'Office québécois de la langue française et à celles de leur ordre professionnel. L'écrit professionnel dans le domaine de la santé doit être précis et communiquer sans ambiguïté une formation qui sera lue à un autre moment par un autre professionnel. Adoptant une approche dynamique et interactive, ce cours de français part de modèles de textes présentant différents types de discours (informatifs, narratifs, prescriptifs, d'opinion, mixtes) livrés dans différents formats-types.
Notes: Prerequisites: French placement test or instructor's recommendation or FRSL 210, FRSL 219, FRSL 321, FRSL 325.
Restrictions: Not open to students who have taken FRSL 332-02 prior to fall 2018.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 330
Credit Weight: 3
Transcript Title: Franç écrit en contexte 2: SSS
Calendar Title: Français écrit en contexte 2: santé et services sociaux.
Description: Au Québec, les professionnels de la santé et des services sociaux doivent satisfaire aux exigencies de l'Office québécois de la langue française et de leur ordre professionnel. L'écrit professionnel en santé doit être précis et communiquer sans ambiguïté une information qui sera lue à un autre moment par un autre professionnel. En partant de modèles de textes qui présentent différents types de discours (narratifs, prescriptifs, d'opinion, mixtes) et différents formats (textes, lettres, notes de service et rapports de cas), ce cours permet d'améliorer l'écrit tout en faisant une revision de la grammaire fine (concordance des temps, pronominalisation, modalité, etc.)
Notes: Prerequisites: French placement test or Instructor's recommendation or FRSL 329
Restrictions: Not open to students who have taken FRSL 333-02 prior to fall 2018.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 332
Credit Weight: 3
Transcript Title: Intermediate French: Grammar 01
Calendar Title: Intermediate French: Grammar 01.
Description:
Grammar review, using both a theoretical and a practical approach. Reading materials, in addition to their cultural interest, are selected to illustrate grammatical usage, provide models of writing techniques and aid in vocabulary development.
Notes:
Fall
3 hours
Prerequisite: Placement test. For those who have attained relative fluency but lack accuracy in speaking and writing
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 333
Credit Weight: 3
Transcript Title: Intermediate French: Grammar 02
Calendar Title: Intermediate French: Grammar 02.
Description:
Second part of FRSL 332.
Notes:
Winter
3 hours
Prerequisite(s): FRSL 332, or instructor's recommendation, or Placement test required.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 407
Credit Weight: 3
Transcript Title: Compréhension et exp orales
Calendar Title: Compréhension et expression orales.
Description:
Identification des niveaux de langue et prononciation du français familier; amélioration de la compréhension auditive par l'écoute d'une variété de documents audio-visuels du Québec et d'ailleurs.
Notes:
Fall
3 heures par semaine
Préalable : test de classement. S'adresse aux étudiants qui ont déjà une bonne maîtrise du français écrit.
Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 408
Credit Weight: 3
Transcript Title: Français oral: Textes et Exp
Calendar Title: Français oral: Textes et expressions.
Description:
Suite du cours FRSL 407. Cours de perfectionnement de l'expression orale et écrite: amélioration de la production orale (intonation, débit, spontanéité); enrichissement du vocabulaire idiomatique relié à des fonctions socio-culturelles
de la langue par le biais de techniques orales (jeux de rôles, discussions, simulations) et d'un journal.

Notes:
3 heures par semaine
Prerequisite(s): FRSL 407, or instructor's recommendation, or Placement test

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 431
Credit Weight: 6
Transcript Title: Français fonctionnel avancé
Calendar Title: Français fonctionnel avancé.
Description: Destiné aux étudiants de niveau avancé qui veulent approfondir leurs connaissances lexicales, syntaxiques et culturelles afin de pouvoir exprimer avec clarté leurs opinions sur une variété de sujets. Par l'étude de journaux, revues et textes littéraires, les étudiants se familiariseront avec la réalité québécoise contemporaine.

Notes:
Prerequisite(s): FRSL 321D1 and FRSL 321D2 or FRSL 325 or FRSL 332 or FRSL 333 or FRSL 407 or FRSL 408
Les étudiants qui ont suivi le cours FRSL 400, FRSL 402 ou FRSL 432 ne seront pas admis.

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 431D1
Credit Weight: 3
Transcript Title: Français fonctionnel avancé
Calendar Title: Français fonctionnel avancé.
Description: Destiné aux étudiants de niveau avancé qui veulent approfondir leurs connaissances lexicales, syntaxiques et culturelles afin de pouvoir exprimer avec clarté leurs opinions sur une variété de sujets. Par l'étude de journaux, revues et textes littéraires, les étudiants se familiariseront avec la réalité québécoise contemporaine.

Notes:
3 heures par semaine
Prerequisite(s): FRSL 321D1 and FRSL 321D2 or FRSL 325 or FRSL 332 or FRSL 333 or FRSL 407 or FRSL 408
Les étudiants qui ont suivi le cours FRSL 400, FRSL 402 ou FRSL 432 ne seront pas admis.

Students must register for both FRSL 431D1 and FRSL 431D2.
No credit will be given for this course unless both FRSL 431D1 and FRSL 431D2 are successfully completed in consecutive terms
FRSL 431D1 and FRSL 431D2 together are equivalent to FRSL 431

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 431D2
Credit Weight: 3
Transcript Title: Français fonctionnel avancé
Calendar Title: Français fonctionnel avancé.
Description:
See FRSL 431D1 for course description.

Notes:
Prerequisite(s): FRSL 321D1 and FRSL 321D2 or FRSL 325 or FRSL 332 or FRSL 333 or FRSL 407 or FRSL 408
No credit will be given for this course unless both FRSL 431D1 and FRSL 431D2 are successfully completed in consecutive terms
FRSL 431D1 and FRSL 431D2 together are equivalent to FRSL 431

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 432
Credit Weight: 3
Transcript Title: Français fonctionnel
Calendar Title: Français fonctionnel.
Description: Première moitié du programme du cours FRSL 431. Seulement avec la permission spéciale du département.
Notes:
Fall
3 heures par semaine
Préalable : test de classement.

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 445
Credit Weight: 3
Transcript Title: Français fonctionnel, écrit 1
Calendar Title: Français fonctionnel, écrit 1.
Description: Destiné aux étudiants dont le français oral est d'un niveau fonctionnel, mais dont le français écrit est nettement inférieur. Travaux écrits hebdomadaires, analyse de textes divers, exercices et tests en classe. But: corriger l'orthographe, la grammaire et les anglicismes, enrichir le vocabulaire, améliorer l'expression écrite.
Notes:
Fall
3 heures par semaine
Préalable : test de classement.

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 446
Credit Weight: 3
Transcript Title: Français fonctionnel, écrit 2
Calendar Title: Français fonctionnel, écrit 2.
Description: Rédactions de types variés. But: améliorer le style, développer les compétences telles que l'organisation et la présentation d'arguments ou l'identification des registres de langue.
Notes:
Winter
3 heures par semaine
Prerequisite(s): FRSL 445, or instructor's recommendation, or Placement test
required
Prépare aux cours du Département de langue et littérature françaises. Même format que le cours FRSL 445, à un niveau plus avancé

Administering Faculty: Faculty of Arts
Teaching Department: French Language Centre
Status (catalog level): Active

FRSL 449
Credit Weight: 3
Transcript Title: Le français des médias
Calendar Title: Le français des médias.
Description:
Cours de perfectionnement mettant l'accent sur l'enrichissement de la langue à l'oral comme à l'écrit. Analyse d'émissions de télévision ou de radio et lecture d'articles de journaux ou de revues. Activités variées portant sur des sujets d'actualité (reportages, débats, etc.) qui reflètent la société et la culture du Québec d'aujourd'hui.
Notes:
3 heures par semaine
Préalable : test de classement.

FRSL 455
Credit Weight: 3
Transcript Title: Grammaire et création
Calendar Title: Grammaire et création.
Description:
Perspective analytique et approche inductive et visuelle se combinent pour permettre une meilleure maîtrise du code grammatical. L'étude de textes de niveau soutenu met en relief la richesse des ressources lexicales et stylistiques du français et rend accessible la création littéraire aux étudiants non francophones.
Notes:
3 heures par semaine
Prerequisites: FRSL 449, or instructor's recommendation, or Placement test.
FSCI 198
Credit Weight: 3
Transcript Title: Climate Crisis & Climate Actions
Calendar Title: Climate Crisis and Climate Actions.
Description:
Fundamentals of the climate change problem, critically assessing climate information published in research and public media, and engaging in personal and collective climate actions. Emphasis is placed on varied social, economic, and disciplinary perspectives including those of Indigenous peoples.
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FSCI 200
Credit Weight: 0
Transcript Title: Industrial Practicum 1
Calendar Title: Industrial Practicum 1.
Description:
Paid, full-time work-term intended to complement the student's undergraduate studies.
Notes:
Restrictions: Must have completed at least 27 credits and have at least 12 credits remaining. Must be registered as a full-time student prior to work term. CGPA 2.7 or permission of internship officer.
Open to B.Sc., B.A. & Sc. and B.Sc./B.Ed. students, as well as qualified students in other undergraduate programs including majors in Environment, Computer Science, Geography, Mathematics and Psychology.
Students will be graded using the Pass/Fail system. Students must be registered as a full-time student prior to and after enrollment in this course. A mandatory report must be submitted at the end of the Practicum to the Faculty of Science Internship Office—ifso.science@mcgill.ca. Completion of both the FSCI 200 and FSCI 300 courses will allow B.Sc. students to add the Internship Option to their transcript.
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FSCI 300
Credit Weight: 0
Transcript Title: Industrial Practicum 2
Calendar Title: Industrial Practicum 2.
Description:
Paid, full-time work-term intended to complement the student's undergraduate studies.
Notes:
Prerequisite: FSCI 200
Restrictions: Must have completed at least 42 credits and have at least 12 credits remaining. Must be registered as a full-time student prior to work term. CGPA 2.7 or permission of internship officer.
Open to B.Sc., B.A. & Sc. and B.Sc./B.Ed. students, as well as qualified students in other undergraduate programs including majors in Environment, Computer Science, Geography, Mathematics and Psychology.
Students will be graded using the Pass/Fail system. Students must be registered as a full-time student prior to and after enrollment in this course. A mandatory report must be submitted at the end of the Practicum to the Faculty of Science Internship Office—ifso.science@mcgill.ca. Completion of both the FSCI 200 and FSCI 300 courses will allow B.Sc. students to add the Internship Option to their transcript.
transcript.

**Administering Faculty**: Faculty of Science  
**Teaching Department**: Science  
**Status (catalog level)**: Active

**FSCI 342**  
**Credit Weight**: 0  
**Transcript Title**: Experiential Learning & Language  
**Calendar Title**: Experiential Learning & Language.  
**Description**: Participants in an experiential language learning exercise take language courses, live with a host family, and/or volunteer with a local organization.  
**Notes**: Participation in an approved experiential language learning exercise. Currently approved exercises: McCall MacBain International Fellowship Language Term.  
This course is reserved for participants in an approved experiential language learning exercise. Contact the Science Office for Undergraduate Student Advising (SOUAS) for more information.  

**Administering Faculty**: Faculty of Science  
**Teaching Department**: Science  
**Status (catalog level)**: Active

**FSCI 396**  
**Credit Weight**: 3  
**Transcript Title**: Res Proj: Sci Teach&Learning 1  
**Calendar Title**: Research Project in Science Teaching and Learning 1.  
**Description**: Introduces undergraduate Science students to pedagogical research, educational assessment, and resource design in university-level science education. Examples of research topics include assessment of course activity effectiveness, research into topic-related misconceptions, research into and application of innovative teaching and learning strategies. This course contains a significant research and/or design component that requires substantial supervised work by the student. The course workload is expected to be 9 hours of research activities per week for a 13 week period. Students will be co-supervised by the Coordinator, who will provide advice and access to pedagogical resources, and a Professor teaching in a Faculty of Science course (Supervisor), who will participate in formulating the research proposal, provide context and background information.  
**Notes**: Prerequisite: Successful completion of at least one term of undergraduate studies and a CGPA of at least 3.0, or permission of instructor.  
Restriction: Open to students in programs offered by the Faculty of Science or the Bachelor of Arts and Science, with permission of the Course Coordinator. By Faculty of Science regulation, students cannot be supervised by the same instructor for two `396-series¿ research project courses. In the case of students and supervisors wishing to do a Science Teaching and Learning research project after completing any `396-series¿ research project together, there is the option to apply for an FSCI 397 project.  
Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project or supervisor is available. Individual projects may be suggested each term that may have project specific prerequisites (e.g. having successfully completed the course in question if the proposed project involves investigation of or resource development for a particular course). Students may also approach professors or the Office of Science Education to devise their own projects. See https://mcgill.ca/ose/fsci-396 science/ours for more information.
about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FSCI 397
Credit Weight: 3
Transcript Title: Res Proj: Sci Teach&Learning 2
Calendar Title: Research Project in Science Teaching and Learning 2.
Description:
Introduces undergraduate Science students to pedagogical research, educational assessment, and/or resource design in university-level science education. Examples of research topics include assessment of course activity effectiveness, research into topic-related misconceptions, research into and application of innovative teaching and learning strategies. This course contains a significant research and/or design component that requires substantial supervised work by the student. The course workload is expected to be 9 hours of research activities per week for a 13 week period. Students will be co-supervised by the Coordinator, who will provide advice and access to pedagogical resources, and a Professor teaching in a Faculty of Science course (Supervisor), who will participate in formulating the research proposal, provide context and background information. The Coordinator and Supervisor will both evaluate the student based on a written final report, overall research performance and an oral presentation.

Notes:
Prerequisite: Successful completion of FSCI 396 and a CGPA of at least 3.0, or permission of the instructor.
Restrictions: Open to students in programs offered by the Faculty of Science or the Bachelor of Arts and Science, with permission of the Course Coordinator. This course cannot be taken under the S/U option.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project or supervisor is available. Individual projects may be suggested each term that may have project-specific prerequisites (e.g. having successfully completed the course in question if the proposed project involves investigation of or resource development for a particular course). Students may also approach professors or the Office of Science Education to devise their own projects. See https://www.mcgill.ca/ose/fsci-396 for more information about available projects, application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FSCI 398D1
Credit Weight: 3
Transcript Title: Res Proj: Sci Teach&Learning 3
Calendar Title: Research Project in Science Teaching and Learning 3.
Description:
Introduces undergraduate Science students to pedagogical research, educational assessment, and/or resource design in university-level science education. Examples of research topics include assessment of course activity effectiveness, research into topic-related misconceptions, research into and application of innovative teaching and learning strategies. This course contains a significant research and/or design component that requires substantial supervised work by the student. The course workload is expected to be 9 hours of research activities per week for 26 weeks over 2 consecutive terms. Students will be co-supervised by the Coordinator, who will provide advice and access to pedagogical resources, and a Professor teaching in a Faculty of Science course (Supervisor), who will
participate in formulating the research proposal, provide context and background information. The Coordinator and Supervisor will both evaluate the student based on a written final report, overall research performance and an oral presentation.

Notes:
Students must register for both FSCI 398D1 and FSCI 398D2
No credit will be given for this course unless both FSCI 398D1 and FSCI 398D2 are successfully completed in consecutive terms
Prerequisite: Successful completion of U1 and a CGPA of at least 3.0, or permission of the instructor
Restrictions: Open to students in programs offered by the Faculty of Science or the Bachelor of Arts and Science, with permission of the Course Coordinator. This course cannot be taken under the S/U option.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project or supervisor is available. Individual projects may be suggested each term that may have project-specific prerequisites (e.g. having successfully completed the course in question if the proposed project involves investigation of or resource development for a particular course). Students may also approach professors or the Office of Science Education to devise their own projects. See http://www.mcgill.ca/science/ours for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

**FSCI 398D2**
Credit Weight: 3
Transcript Title: Res Proj: Sci Teach&Learning 3
Calendar Title: Research Project in Science Teaching and Learning 3.
Description: For description see FSCI - 398D1.
Notes: Prerequisite: FSCI  398D1
No credit will be given for this course unless both FSCI 398D1 and FSCI 398D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

**FSCI 400**
Credit Weight: 0
Transcript Title: Field Practicum
Calendar Title: Field Practicum.
Description: Field work intended to complement the student's undergraduate study.

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

**FSCI 444**
Credit Weight: 6
Transcript Title: Barbados Research Project
Calendar Title: Barbados Research Project.
Description: A research project that is supervised by McGill academic staff and is conducted in collaboration with local partners. The project topic must relate to the field of
sustainability relating to the Caribbean or Barbados specifically.

Notes:
Corequisites GEOG 340, ATOC 341, BIOL 343 or permission of the Program Director.
Restrictions: Open to U2 and U3 students from all faculties who are registered in the Barbados Field Study Semester, with minimum CGPA of 3.0.

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

FSCI 500
Credit Weight: 3
Transcript Title: Science Communication & Outreach
Calendar Title: Science Communication and Outreach.

Description:
Introduction to the theory and practice of science communication and outreach. Emphasis is placed on inclusive practices. Audience needs and existing critiques of current outreach and communication practice.

Notes:
Restrictions: Open to graduate students and undergraduates in Year 2 or higher. Students in Year 0 or Year 1 may request instructor approval to register.

Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active
GDEN DRES
Credit Weight: 0
Transcript Title: Weeks Residency
Calendar Title:
Notes:
Administering Faculty: Post Graduate Dentistry
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Active
GDEU 2PGM
Credit Weight: 0
Transcript Title: ACTIVITE(S) DU 2ieme Programme
Calendar Title:
Administering Faculty: No College Designated
Teaching Department: Undeclared
Status (catalog level): Active

GDEU DSRT
Credit Weight: 0
Transcript Title: MEMOIRE,DISSERTATION NON-COMPL
Calendar Title:
Administering Faculty: No College Designated
Teaching Department: Undeclared
Status (catalog level): Active

GDEU THES
Credit Weight: 0
Transcript Title: MEMOIRE, THESE NON-COMPL
Calendar Title:
Administering Faculty: No College Designated
Teaching Department: Undeclared
Status (catalog level): Active
GEOG 200
Credit Weight: 3
Transcript Title: Geo Persp:World Env Problems
Calendar Title: Geographical Perspectives: World Environmental Problems.
Description:
Introduction to geography as the study of nature and human beings in a spatial context. An integrated approach to environmental systems and the human organization of them from the viewpoint of spatial relationships and processes. Special attention to environmental problems as a constraint upon Third World development.
Notes:
Fall
3 hours
Administrating Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 201
Credit Weight: 3
Transcript Title: Intro Geo-Information Science
Calendar Title: Introductory Geo-Information Science.
Description:
An introduction to Geographic Information Systems. The systematic management of spatial data. The use and construction of maps. The use of microcomputers and software for mapping and statistical work. Air photo and topographic map analyses.
Notes:
Fall
3 hours and lab
Administrating Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 202
Credit Weight: 3
Transcript Title: Statistics & Spatial Analysis
Calendar Title: Statistics and Spatial Analysis.
Description:
Exploratory data analysis, univariate descriptive and inferential statistics, non-parametric statistics, correlation and simple regression. Problems associated with analysing spatial data such as the 'modifiable areal unit problem' and spatial autocorrelation. Statistics measuring spatial pattern in point, line and polygon data.
Notes:
3 hours and lab
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administrating Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 203
Credit Weight: 3
Transcript Title: Environmental Systems
Calendar Title: Environmental Systems.
Description:
An introduction to system-level interactions among climate, hydrology, soils and
vegetation at the scale of drainage basins, including the study of the global geographical variability in these land-surface systems. The knowledge acquired is used to study the impact on the environment of various human activities such as deforestation and urbanisation.

Notes:
Fall
3 hours
Restriction: Because of quantitative science content of course, not recommended for B.A. and B.Ed. students in their U0 year.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 205
Credit Weight: 3
Transcript Title: Global Chg: Past, Pres & Future
Calendar Title: Global Change: Past, Present and Future.
Description:
An examination of global change, from the Quaternary Period to the present day involving changes in the physical geography of specific areas. Issues such as climatic change and land degradation will be discussed, with speculations on future environments.

Notes:
Winter
3 hours

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 210
Credit Weight: 3
Transcript Title: Global Places and Peoples
Calendar Title: Global Places and Peoples.
Description:
Introduction to key themes in human geography. Maps and the making, interpretation and contestation of landscapes, 'place', and territory. Investigation of globalization and the spatial organization of human geo-politics, and urban and rural environments.

Notes:
Winter
3 hours

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 216
Credit Weight: 3
Transcript Title: Geography of the World Economy
Calendar Title: Geography of the World Economy.
Description:
The course introduces the geography of the world economic system. It describes the spatial distribution of economic activities and examines the factors which influence their changing location. Case studies from both "developed" and "developing" countries will test the different geographical theories presented in lectures.

Notes:
Fall
3 hours

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Geography  
**Status (catalog level):** Active

**GEOG 217**  
**Credit Weight:** 3  
**Transcript Title:** Cities in the Modern World  
**Calendar Title:** Cities in the Modern World.  
**Description:**  
An introduction to urban geography. Uses a spatial/geographic perspective to understand cities and their social and cultural processes. Addresses two major areas. The development and social dynamics in North American and European cities. The urban transformations in Asian, African, and Latin American societies that were recently predominantly rural and agrarian.  
**Notes:**  
Note: Winter  
Note: 3 hours  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Geography  
**Status (catalog level):** Active

**GEOG 221**  
**Credit Weight:** 3  
**Transcript Title:** Environment and Health  
**Calendar Title:** Environment and Health.  
**Description:**  
This course introduced physical and social environments as factors in human health, with emphasis on the physical properties of the atmospheric environment as they interact with diverse human populations in urban settings.  
**Notes:**  
3 hours  
Restriction: Not open to students who have taken or are taking NRSC 221.  
In Fall 2019, GEOG 221 will be taught at Macdonald campus. This course is also offered as NRSC 221. Students enrolled in downtown campus programs register in GEOG 221; students enrolled in Macdonald campus programs register in NRSC 221.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Geography  
**Status (catalog level):** Active

**GEOG 272**  
**Credit Weight:** 3  
**Transcript Title:** Earth's Changing Surface  
**Calendar Title:** Earth's Changing Surface.  
**Description:**  
Introduction to the study of landforms as products of geomorphic and geologic systems acting at and near the Earth's surface. The process geomorphology approach will be used to demonstrate how landforms of different geomorphic settings represent a dynamic balance between forces acting in the environment and the physical properties of materials present.  
**Notes:**  
Fall  
3 hours  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Geography  
**Status (catalog level):** Active
GEOG 290
Credit Weight: 1
Transcript Title: Local Geographical Excursion
Calendar Title: Local Geographical Excursion.
Description:
Introduction to landscape interpretation and geographical site analysis in physical and human geography. A three-day fall excursion with preparatory and concluding seminars.
Notes:
Fall
1 credit
Restrictions: Open to first-year Geography Major and Honours students only.
A fee of $425.38 is charged to all students registered in GEOG 290. This course is held at Mont Sutton, in the Eastern Townships during a week-end in mid-September. The fee is used to support the cost of transportation, accommodations, local fees and all meals
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 291
Credit Weight: 1
Transcript Title: Independent Short Proj in Geog
Calendar Title: Independent Short Project in Geography.
Description:
Under the guidance of an instructor with the relevant expertise, the student explores a research topic in Geography and develops a written report.
Notes:
Students are expected to find an appropriate advisor for their project. Proposed topic and method of evaluation must be approved by the supervisor.
Prerequisites: GEOG 201 and one of: GEOG 203, GEOG 210, GEOG 216, GEOG 217, GEOG 272
Restrictions: Restricted to students enrolled in the Geography Core Science Component, Major, Major Concentration and Honours programs. Instructor (supervisor) approval required.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 300
Credit Weight: 3
Transcript Title: Human Ecology in Geography
Calendar Title: Human Ecology in Geography.
Description:
The course will examine research approaches in human ecology since its inception early in this century. Emphasis will be placed on the theoretical shifts that have led to its emergence as an important social science perspective. The course will also involve case studies to evaluate the methodological utility of the approach.
Notes:
Winter
3 hours
Prerequisite: GEOG 203 or ANTH 202 or BIOL 111
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
GEOG 301
Credit Weight: 3
Transcript Title: Geography of Nunavut
Calendar Title: Geography of Nunavut.
Description:
An introduction to the physical and cultural geography of Canada's newest territory. The course will emphasize the bio-physical heterogeneity of the natural environment and the cultural and political ecology of the human population.
Notes:
Fall
3 hours
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 302
Credit Weight: 3
Transcript Title: Environmental Management 1
Calendar Title: Environmental Management 1.
Description:
An ecological analysis of the physical and biotic components of natural resource systems. Emphasis on scientific, technological and institutional aspects of environmental management. Study of the use of biological resources and of the impact of individual processes.
Notes:
3 hours
Prerequisite: Any 200-level course in Geography or MSE or BIOL 308 or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 303
Credit Weight: 3
Transcript Title: Health Geography
Calendar Title: Health Geography.
Description:
Discussion of the research questions and methods of health geography. Particular emphasis on health inequalities at multiple geographic scales and the theoretical links between characteristics of places and the health of people.
Notes:
Winter
Prerequisite: One of the following: ENVR 201; GEOG 201, GEOG 203, GEOG 210, GEOG 216, GEOG 217; or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 305
Credit Weight: 3
Transcript Title: Soils and Environment
Calendar Title: Soils and Environment.
Description:
Discussion of the major properties of soils; soil formation, classification and mapping; land capability assessment; the role and response of soils in natural and...
disturbed environments (e.g. global change, ecosystem disturbance).

Notes:
Fall
3 hours and laboratory
Prerequisite: GEOG 203 or introductory course in biology or geology

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 308
Credit Weight: 3
Transcript Title: Rem Sens for Earth Observation
Calendar Title: Remote Sensing for Earth Observation.
Description:
A conceptual view of remote sensing and the underlying physical principles. Covers ground-based, aerial, satellite systems, and the electromagnetic spectrum, from visible to microwave. Emphasis on application of remotely sensed data in geography including land cover change and ecological processes.
Notes:
Fall
3 hours and laboratory periods
Corequisite: GEOG 201 or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 310
Credit Weight: 3
Transcript Title: Development and Livelihoods
Calendar Title: Development and Livelihoods.
Description:
Geographical dimensions of rural/urban livelihoods in the face of socioeconomic and environmental change in developing regions. Emphasis on household natural resource use, survival strategies and vulnerability, decision-making, formal and informal institutions, migration, and development experience in contrasting global environments.
Notes:
Winter
Prerequisite: GEOG 210 or GEOG 216 or ENVR 201 or INTD 200

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 311
Credit Weight: 3
Transcript Title: Economic Geography
Calendar Title: Economic Geography.
Description:
Different theories and approaches to understanding the spatial organization of economic activities. Regional case studies drawn from North America, Europe and Asia used to reinforce concepts. Emphasis also on city-regions and their interaction with the global economy.
Notes:
Winter
3 hours
Prerequisite: GEOG 216 or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 314
Credit Weight: 3
Transcript Title: Geospatial Analysis
Calendar Title: Geospatial Analysis.
Description:
Overview of both the theoretical and applied aspects of geographic information science and systems. Topics will include spatial analysis techniques, geographic models as abstractions of the real world, spatial data manipulation and management, and conceptual issues related to geographic data and technology. Introduction to a number of leading commercial software including ESRI's ArcGIS Pro.
Notes:
Prerequisite: GEOG 201
Restrictions: Not open to students who have taken GEOG 306 or GEOG 307.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 315
Credit Weight: 3
Transcript Title: Urban Transportation Geography
Calendar Title: Urban Transportation Geography.
Description:
Discusses the history and development of urban transportation systems, as well as problems and potential solutions from a geographic perspective. Specific topics include analysis of the social, economic, and environmental impacts; interaction of land use and transportation systems; the analysis of urban travel behaviour; and the implications of various policy alternatives.
Notes:
Winter
3 hours
Prerequisite: GEOG 217 or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 316
Credit Weight: 3
Transcript Title: Political Geography
Calendar Title: Political Geography.
Description:
The study of the spatial dimensions of political activities and developments at the regional, national and global levels in historical and contemporary perspective. Presentation of case studies relating to the theoretical framework of political geography.
Notes:
Fall
3 hours
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Climatic Environments
Calendar Title: Climatic Environments.
Description:
The earth-atmosphere system, radiation and energy balances. Surface-atmosphere exchange of energy, mass and momentum and related atmospheric processes on a local and regional scale. Introduction to measurement theory and practice in micrometeorology.
Notes:
Winter
3 hours
Prerequisite: GEOG 203 or ATOC 210 or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 322
Credit Weight: 3
Transcript Title: Environmental Hydrology
Calendar Title: Environmental Hydrology.
Description:
Quantitative, experimental study of the principles governing the movement of water at or near the Earth's surface and how the research relates to the chemistry and biology of ecosystems.
Notes:
Winter
3 hours
Prerequisite: GEOG 203 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 325
Credit Weight: 3
Transcript Title: New Master-Planned Cities
Calendar Title: New Master-Planned Cities.
Description:
This course examines the origins, designs, motivations and cultural politics of planned cities, focusing primarily on those currently under construction in Africa, the Middle East and Asia. A variety of themes will be explored including design responses to urban pollution and over-crowding, 'new' cities from earlier decades, totalitarianism and the city, utopianism, 'green' cities, and 'creative' cities. The course examines the various motivations underlying the design and construction of planned cities and how they are shaped by power, religion, and political ideologies. There will be a focus on evolving concepts used in city design as well as the continuities and cultural revivalism expressed through urban design and architecture. Students interested in urban and cultural geography, cities, architecture and planning in different cultural contexts will enjoy this course.
Notes:
Prerequisite(s): GEOG 217, or permission of the instructor.
Restrictions: Open to U2 and above students.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
GEOG 331
Credit Weight: 3
Transcript Title: Urban Social Geography
Calendar Title: Urban Social Geography.
Description:
Social space and social time. The reflection of social structure in the spatial organization of the city. Historical perspective on changing personal mobility, life cycle, family structure and work organization. The appropriation and alienation of urban spaces.
Notes:
Fall
3 hours
Prerequisite: GEOG 216 or GEOG 217 or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 333
Credit Weight: 3
Transcript Title: Intro to Prog for Spatial Scis
Calendar Title: Introduction to Programming for Spatial Sciences.
Description:
Introduction to conceptual and practical aspects of programming for the spatial sciences, focusing on programming concepts and techniques irrespective of the specific programming language, framework, or software. Topics include spatial data structures, flow control, classes and objects, and basics of geospatial data modeling and analysis.
Notes:
Pre/co-requisite: GEOG 201
Restrictions: Not open to students who have taken or are taking COMP 202, COMP 204, or COMP 208. May be taken before COMP 206 or COMP 250, but not concurrently with or after either course. Not open to students who have taken GEOG 407 in Fall 2019 or 2020.
No previous programming experience is expected.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 340
Credit Weight: 3
Transcript Title: Sustain. in the Caribbean
Calendar Title: Sustainability in the Caribbean.
Description:
The local environmental, social, historical, political and economic context of Barbados and the Caribbean. The small island developing States (SIDS), and why those nations are more vulnerable to global environmental challenges. The 17 Sustainability Development Goals of the United Nations, with a focus on the leadership role played by Barbados for the entire Caribbean region.
Notes:
Corequisites: ATOC 341, BIOL 343, FSCI 444 or permission of the Program Director.
Restrictions: Open to U2 and U3 students from all faculties who are registered in the Barbados Field Study Semester, with minimum CGPA of 3.0.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
GEOG 350
Credit Weight: 3
Transcript Title: Ecological Biogeography
Calendar Title: Ecological Biogeography.
Description:
The study of the patterns of distribution of organisms in space and time with emphasis on plant communities. Ecological, geographical, historical and anthropological factors affecting these distribution patterns will be discussed. Particular consideration is given to methods for description and classification of plant communities.
Notes:
Fall
3 hours
Prerequisite: GEOG 203 or ENVR 200 or ENVR 202
Note: Offered at Macdonald campus in alternate years.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 351
Credit Weight: 3
Transcript Title: Quantitative Methods
Calendar Title: Quantitative Methods.
Description:
Multiple regression and correlation, logit models, discrete choice models, gravity models, facility location algorithms, survey design, population projection.
Notes:
Winter
3 hours
Prerequisite: GEOG 202 or equivalent or permission of instructor
You may not be able to get credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 360
Credit Weight: 3
Transcript Title: Analyzing Sustainability
Calendar Title: Analyzing Sustainability.
Description:
Examines challenges to sustainability through a series of case studies to illustrate the analytical approaches used to understand the linkages between scientific-technical, socio-economic, political-institutional, ethical, and human behavioural aspect of systems. Includes cases that are thematic and place-based, national and international, spanning from the local to global scales.
Notes:
Winter
Prerequisites: ENVR 201 or equivalent; and GEOG 203 or ENVR 200 or ESYS 200 or equivalent; or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
GEOG 370
Credit Weight: 3
Transcript Title: Protected Areas
Calendar Title: Protected Areas.
Description:
Discussion of the goals of protected areas, focusing on the potential conflict between biodiversity conservation and use for recreation, education and sustainable extraction of resources. Principles and current issues in protected area design and management are reviewed. Examples are taken from developed and developing countries.
Notes:
Fall
3 hours
Prerequisite: BIOL 308 or GEOG 203 or AEBI 205
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 372
Credit Weight: 3
Transcript Title: Running Water Environments
Calendar Title: Running Water Environments.
Description:
The course focuses on the physical habitat conditions found in streams, rivers, estuaries and deltas. Based on the laws governing flow of water and sediment transport, it emphasizes differences among these environments, in terms of channel form, flow patterns, substrate composition and mode of evolution. Flooding, damming, channelisation, forestry impacts.
Notes:
Fall
3 hours
Prerequisites: GEOG 203 and GEOG 272, or ENVR 200 and ENVR 202
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 373
Credit Weight: 3
Transcript Title: Arctic Geomorphology
Calendar Title: Arctic Geomorphology.
Description:
Introduction to the principles of periglacial and permafrost science and its field context in the Canadian North. Objectives focus on the geomorphic significance of freezing and frozen ground and training in field methods of permafrost mapping, measurement and interpretation.
Notes:
Prerequisite(s): GEOG 203, GEOG 205, GEOG 272, GEOG 372, ENVR 200, ENVR 202, EPSC 203, EPSC 210, EPSC 212, EPSC 220, EPSC 233, ATOC 214, ATOC 215, ATOC 219, SOIL 300.
Note(s): 1. This course is one of a set of four field courses (ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473) designed to be taken concurrently. It complements programs in natural science disciplines by providing students with specialized field training and research experience focusing on the unique environmental conditions of cold polar systems. 2. Cost includes transportation, room and board, field expenses. Students are charged $12,000 for the four courses.
combined: ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473. 3. Arctic localities: Iqaluit, Resolute Bay, and Central Axel Heiberg Island in the Canadian High Arctic.

Corequisite(s): ATOC 373, EPSC 373, [ATOC 473 or EPSC 473 or GEOG 473]

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 381

Credit Weight: 3

Transcript Title: Geographic Thought & Practice

Calendar Title: Geographic Thought and Practice.

Description:
An overview of the philosophy of geography and its emergence as a discipline nationally and internationally with emphasis on current concepts and their application to geographical studies in local field work analyzing the impact of human environmental interactions.

Notes:
Winter
3 hours

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 382

Credit Weight: 3

Transcript Title: Principles Earth Citizenship

Calendar Title: Principles Earth Citizenship.

Description:
Foundations and applications of earth citizenship. Foundations: sustainability, tragedy of the commons, dominion, privatization and public welfare, resilience, precautionary principle, and land ethic are critically considered. Applications: implications for relationship between human and natural economies; human population size and control; and morality of modern agricultural and forestry practices.

Notes:
Winter

Restrictions: Not open to students who have taken or are taking NRSC 374.
Restricted to U2 or U3 students. Enrolment limited to 50.

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 384

Credit Weight: 3

Transcript Title: Principles of Geospatial Web

Calendar Title: Principles of Geospatial Web.

Description:
Theory and practice of geospatial web, including examining spatial data accuracy and uncertainty of user generated content; Understanding motivations of contributors of volunteered geographic information for purposes like citizen science and crisis mapping; Critically evaluating political, societal, economic and legal issues in online mapping applications; Developing geospatial applications and identifying basic problem solving requirements for geospatial apps. For proposed solutions, evaluating and justifying various existing and emergent geospatial technologies and enabling software stacks; Exploring underlying methods of digital earth architectures; Understanding implications to
geospatial analysis and visualization of real time streaming data and mobile sensors

Notes:
Prerequisite(s): GEOG 201; GEOG 333 or COMP 202; and GEOG 314; or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description: Independent research project with a final written report.
Notes:
Fall and Winter
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 398
Credit Weight: 3
Transcript Title: Field St in Human Geography
Calendar Title: Field Studies in Human Geography.
Description: Introduction to basic field work techniques in human geography. Emphasis on field methods, observational techniques, data collection and processing.
Notes:
Winter
3 hours
Prerequisite: Any introductory human geography course; or by permission of the instructor
A fee of $1,004.25 is charged to all students registered in GEOG 398.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 401
Credit Weight: 3
Transcript Title: Socio-Environmntl Sys:Thry & Sim
Calendar Title: Socio-Environmental Systems: Theory and Simulation.
Description: Conceptual and simulation models of key case studies for developing system
thinking, including system stability, threshold dynamics in regime shifts, resilience, and adaptive environmental management.

Notes:
Prerequisites: ENVR 201, GEOG 360, and two of the following courses: ENVR 200, ENVR 202, ENVR 203 and GEOG 203.
Restriction: Not open to students who have taken GEOG 501, or GEOG 407 when topic was "Socio-Environmental Systems."

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 403
Credit Weight: 3
Transcript Title: Global Health & Envir. Change
Calendar Title: Global Health and Environmental Change.
Description:
Major themes and contemporary case studies in global health and environmental change. Focus on understanding global trends in emerging infectious disease from social, biophysical, and geographical perspectives, and critically assessing the health implications of environmental change in different international contexts.
Notes:
Fall
Prerequisite: GEOG 205 or GEOG 221 or GEOG 321 or GEOG 303 or permission from the instructor
Restriction: Course not open to students who were registered for GEOG 303 in Winter 2008.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 404
Credit Weight: 3
Transcript Title: Environmental Management 2
Calendar Title: Environmental Management 2.
Description:
Practical application of environmental planning, analysis and management techniques with reference to the needs and problems of developing areas. Special challenges posed by cultural differences and traditional resource systems are discussed. This course involves practical field work in a developing area (Kenya or Panama).
Notes:
Winter
3 hours
Prerequisite: GEOG 302 or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 406
Credit Weight: 3
Transcript Title: Human Dimensions Clim. Change
Calendar Title: Human Dimensions of Climate Change.
Description:
This course will examine the human dimensions of climate change focusing on the vulnerability of human systems, climate change adaptation and mitigation, key policy debates, and current and future challenges. Case studies will be utilized to provide context and help investigate and understand key concepts, trends, and
challenges.

Notes:
Winter

Prerequisite: ENVR 200 or GEOG 200 or GEOG 205 or GEOG 300 or GEOG 302

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 407

Credit Weight: 3

Transcript Title: Issues in Geography

Calendar Title: Issues in Geography.

Description:
Treatment of contemporary issues in geographical research focusing on human-environmental relations and interactions. Instructor(s) and topics will be announced each term the course is given.

Notes:
Fall
3 hours

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 408

Credit Weight: 3

Transcript Title: Geography of Development

Calendar Title: Geography of Development.

Description:
Examines the geographical dimensions of development policy, specifically the relationships between the process of development and human-induced environmental change. Focuses on environmental sustainability, struggles over resource control, population and poverty, and levels of governance (the role of the state, non-governmental organizations, and local communities).

Notes:
Fall
3 hours

Prerequisite: GEOG 210 or GEOG 216 or permission of instructor

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 409

Credit Weight: 3

Transcript Title: Geographies of Developing Asia

Calendar Title: Geographies of Developing Asia.

Description:
Current development questions that are of concern to the Asian region. Emphasis on critically studying the major processes of social, economic and environmental change through regional case studies in rural, peri-urban and urban contexts. Covers important debates and considerations that lie at the heart of development geography.

Notes:
Fall

Prerequisite: GEOG 210 or GEOG 216 or ENVR 201 or INTD 200 or GEOG 310 or permission of instructor

Administering Faculty: Faculty of Science

Teaching Department: Geography
Status (catalog level): Active

GEOG 410
Credit Weight: 3
Transcript Title: Geog of Underdvlpmnt:Cur Probs
Calendar Title: Geography of Underdevelopment: Current Problems.
Description:
An examination of the cultural, political, and economic mechanisms and manifestations of contemporary underdevelopment and the response to it from different regional and national peripheral societies within the dominant world economic system.
Notes:
Winter
3 hours
Prerequisite: GEOG 216 or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 414
Credit Weight: 3
Transcript Title: Advanced Geospatial Analysis
Calendar Title: Advanced Geospatial Analysis.
Description:
Advanced techniques in geospatial analysis. Geospatial methods and using geospatial information systems. Topics: geodatabases, interpolation techniques, spatial classification methods, data mining and machine learning, including working with a number of leading commercial software including ESRI's ArcGIS Desktop/Pro.
Notes:
Prerequisites: GEOG 314; and GEOG 333 or COMP 202; or permission of the instructor.
Restrictions: Not open to students who have taken GEOG 306 or GEOG 307.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 416
Credit Weight: 3
Transcript Title: Africa South of the Sahara
Calendar Title: Africa South of the Sahara.
Description:
A synthetic overview of physical and cultural geography examining particularly the relation of African peoples to their landscapes, the causes and consequences of environmental changes, and the idea of sustainable development as it applies to African landscapes, resource systems and economies.
Notes:
Winter
Offered in Kenya as part of the African Field Studies semester.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 417
Credit Weight: 3
Transcript Title: Urban Geography
Calendar Title: Urban Geography.
Description: Classic and contemporary perspectives in urban geography. Range of topics including effects of capitalism, gender, suburbanism, segregation and inequality, property, urban landscapes, and urban space. Emphasizes theoretical issues but includes empirical and/or case studies.
Notes: Prerequisite(s): GEOG 217, and one of the following: GEOG 315, GEOG 316, GEOG 325, GEOG 331, or GEOG 525; or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 418
Credit Weight: 3
Transcript Title: Geographies of Race
Calendar Title: Geographies of Race.
Description: Exploration of some ways race and racism manifest spatially, including how race and racism shape vast built environments in addition to intimate experiences of space. Historical, political, and cultural insight for the ongoing racial politics of place.
Notes: Prerequisites: GEOG 216 or GEOG 217, or permission of the instructor.
Restrictions: Not open to students who have taken GEOG 407 in Fall 2022.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 420
Credit Weight: 3
Transcript Title: Memory, Place, and Power
Calendar Title: Memory, Place, and Power.
Description: This interdisciplinary class explores the relationships among memory, place, and political power. The course begins with an introduction to key classical, Enlightenment, and contemporary texts on memory and place-making. It then uses this foundation to examine the symbolic transformation of public space, in particular the construction, alteration, and destruction of monuments, memorials, and museums in postcommunist states and in North America. This approach emphasizes the social quality of memory, exploring the ways in which political interests, economic resources, and social practices can shape something as ostensibly personal and individual as memory.
Notes: Prerequisite(s): One of the following: GEOG 316, GEOG 325, or GEOG 331; or one 200- or 300-level course in Comparative Politics required; or permission of instructor.
Restriction(s): Not open to students who have taken or are taking POLI 420, or who have taken POLI 432 when topic was "Memory, Place, and Power".
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 423
Credit Weight: 3
Transcript Title: Dilemmas of Development
Calendar Title: Dilemmas of Development.

Description:
Africa seems beset by development problems. Some of these appear to have no clear answer. Such dilemmas present significant barriers to moving forward with durable, effective development in Africa. This course will examine two primary and frequently interlocked dilemmas in East Africa with wide ranging impact – food security, and conflict.

Notes:
Prerequisite: GEOG 310 or GEOG 408 or GEOG 410, or equivalent
Restriction: Open to students in the African Field Study Semester (AFSS) only

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 425
Credit Weight: 3
Transcript Title: SE Asia Urban Field Studies
Calendar Title: Southeast Asia Urban Field Studies.
Description:
This course allows students to experience some of the urban changes taking place in Southeast Asian cities, a dynamic region, while providing the opportunity to connect recent scholarship with field observations. We will explore various current themes in urban studies and urban geography including globalization, the transnational circulation of urban policies, interpretations of culture and heritage / new built heritage, gentrification, migrant labour, public housing, creative clusters, and new cities as national economic strategies.

Notes:
Prerequisite(s): GEOG 217 and GEOG 325
Restriction(s): Preference will be given to Urban Studies Majors and Minors
A fee of $1508.63 covers the cost of a 2 week urban field studies course in Singapore and Malaysia, including accommodation, ground transportation and entrance fees. Students are responsible for arranging their own airfares to Singapore.
**Web withdrawal is not applicable.
**The Instructor’s approval is required.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 428
Credit Weight: 4
Transcript Title: Earth System GIS
Calendar Title: Earth System Geographic Information Science.
Description:
Foundational concepts, methods and techniques in Geographic Information Science (GIS) to manage, process, interpret, understand, and analyze digital geospatial land surface data for a variety of Earth system applications, with a special focus on global hydrology. Emphasis will be placed on recognizing issues of resolution, scale, data accuracy and uncertainties.

Notes:
Prerequisite (s): GEOG 201; and one of the following: GEOG 308, GEOG 314; or permission of the instructor
Restriction(s): Not open to students who have taken or are taking ENVB 529 or BREE 529

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 451
Credit Weight: 3
Transcript Title: Res in Society & Dev in Africa
Calendar Title: Research in Society and Development in Africa.
Description:
Three intersecting components: 1) core development themes including culture change, environmental conservation, water, health, development (urban and rural), governance and conflict resolution, 2) research techniques for topics related to core themes, including ethics, risk, field methods and data analysis, 3) field documentation, scientific recording and communication.
Notes:
Winter
Prerequisite: Open to U2 or later students in the AFSS.
Corequisite: NRSC 452.
Restriction: Not open to students who have taken, or are taking ANTH 451.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 460
Credit Weight: 3
Transcript Title: Research in Sustainability
Calendar Title: Research in Sustainability.
Description:
Through engaging in real-world sustainability challenges through hands-on research, learn to critically analyze problems that arise at the interface of multiple disciplines including the scientific-technological, socio-economic, political-institutional, ethical, and human behavioural. Develop an understanding of the leverages and road blocks in achieving a sustainability transition.
Notes:
Fall
Prerequisite: GEOG 360
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 470
Credit Weight: 3
Transcript Title: Wetlands
Calendar Title: Wetlands.
Description:
An examination of the structure, function and utility of wetlands. Topics include the fluxes of energy and water, wetland biogeochemistry, plant ecology in freshwater and coastal wetlands and wetlands use, conservation and restoration. Field trip(s) are envisaged to illustrate issues covered in class.
Notes:
Fall
3 hours
Restriction: Permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 473
Credit Weight: 6

Transcript Title: Arctic Field Research

Calendar Title: Arctic Field Research.

Description:
This course is the independent research component of the McGill Arctic Field Study Semester. It has four distinct parts, a) problem identification and background preparation, b) research design and field data collection, c) lab and data analysis, and d) report preparation and presentation. The research design and field data collection will be part of an extended period of fieldwork based in the Canadian Arctic. The Lab and data analysis will begin in the field and finish on campus. Each student will prepare a manuscript style report and make a conference presentation based on their research.

Notes:
Corequisite(s): GEOG 373, EPSC 373 and ATOC 373.
Restriction(s): Permission of the instructor. Not open to students who have taken or are taking ATOC 473 or EPSC 473.
Note(s): 1. This course is one of a set of four field courses (ATOC 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473) designed to be taken concurrently. It complements programs in natural science disciplines by providing students with specialized field training and research experience focusing on the unique environmental conditions of cold polar systems. 2. Cost includes transportation, room and board, field expenses. Students are charged $12,000 for the four courses combined: ATOC, 373, EPSC 373, GEOG 373, and ATOC/EPSC/GEOG 473. 3. Arctic localities: Iqaluit, Resolute Bay, and Central Axel Heiberg Island in the Canadian High Arctic.

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 489

Credit Weight: 3

Transcript Title: Independent Research in Geog

Calendar Title: Independent Research in Geography.

Description:
Independent research project under the guidance of a staff member specializing in the field of interest.

Notes:
Prerequisite(s): Permission of instructor and completion of 30 credits of courses at the 200 level or above.

A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Undergraduate Coordinator for approval by the add/drop deadline of the semester in which the student registers for this course.

Administering Faculty: Faculty of Science

Teaching Department: Geography

Status (catalog level): Active

GEOG 490

Credit Weight: 3

Transcript Title: Independent Readings in Geog

Calendar Title: Independent Readings in Geography.

Description:
Independent readings or project (non-research) under the guidance of a staff member specializing in the field of interest.

Notes:
Fall and Winter
Prerequisites: Permission of instructor and completion of 30 credits of courses at the 200 level or above.

A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Undergraduate Coordinator for approval by the add/drop deadline of the semester in which the student registers for this course.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

GEOG 490D1

**Credit Weight:** 1.5

**Transcript Title:** Independent Readings in Geog

**Calendar Title:** Independent Readings in Geography.

**Description:**
Independent readings or project (non-research) under the guidance of a staff member specializing in the field of interest.

**Notes:**

Fall

Prerequisites: Permission of instructor and completion of 30 credits of courses at the 200-level or above.

Students must register for both GEOG 490D1 and GEOG 490D2.

No credit will be given for this course unless both GEOG 490D1 and GEOG 490D2 are successfully completed in consecutive terms.

GEOG 490D1 and GEOG 490D2 together are equivalent to GEOG 490

A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Undergraduate Coordinator for approval by the add/drop deadline of the semester in which the student registers for this course.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

GEOG 490D2

**Credit Weight:** 1.5

**Transcript Title:** Independent Readings in Geog

**Calendar Title:** Independent Readings in Geography.

**Description:**
See GEOG 490D1 for course description.

**Notes:**

Winter

Prerequisite: GEOG 490D1

No credit will be given for this course unless both GEOG 490D1 and GEOG 490D2 are successfully completed in consecutive terms.

GEOG 490D1 and GEOG 490D2 together are equivalent to GEOG 490

A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Undergraduate Coordinator for approval by the add/drop deadline of the semester in which the student registers for this course.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

GEOG 491D1

**Credit Weight:** 3

**Transcript Title:** Honours Research
Calendar Title: Honours Research.
Description: Supervised reading, research and preparation of an undergraduate thesis under the direction of a member of staff.
Notes:
Fall
Prerequisite: GEOG 381
Restriction: For U3 B.A. and B.Sc. Honours and Joint Honours Geography students Students must register for both GEOG 491D1 and GEOG 491D2.
No credit will be given for this course unless both GEOG 491D1 and GEOG 491D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 491D2
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description: See GEOG 491D1 for course description.
Notes:
Winter
Prerequisite(s): GEOG 381 and GEOG 491D1
No credit will be given for this course unless both GEOG 491D1 and GEOG 491D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 491N1
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description: Supervised reading, research and preparation of an undergraduate thesis under the direction of a member of staff.
Notes:
Winter
Restriction: For U3 B.A. and B.Sc. Honours and Joint Honours Geography students Students must also register for GEOG 491N2
No credit will be given for this course unless both GEOG 491N1 and GEOG 491N2 are successfully completed in a twelve month period
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 491N2
Credit Weight: 3
Transcript Title: Honours Research
Calendar Title: Honours Research.
Description: See GEOG 491N1 for course description.
Notes:
Fall
Prerequisite: GEOG 491N1
No credit will be given for this course unless both GEOG 491N1 and GEOG 491N2 are successfully completed in a twelve month period

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 492D1**

**Credit Weight:** 1.5

**Transcript Title:** Joint Honours Research

**Calendar Title:** Joint Honours Research.

**Description:**
Supervised reading, research and preparation of an undergraduate thesis under the direction of a member of staff.

**Notes:**
Fall

Restriction: Only for those U3 Joint Honours students in Geography who opt to enrol in a parallel course in another department

Students must register for both GEOG 492D1 and GEOG 492D2.

No credit will be given for this course unless both GEOG 492D1 and GEOG 492D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 492D2**

**Credit Weight:** 1.5

**Transcript Title:** Joint Honours Research

**Calendar Title:** Joint Honours Research.

**Description:**
See GEOG 492D1 for course description.

**Notes:**
Winter

Prerequisite: GEOG 492D1

No credit will be given for this course unless both GEOG 492D1 and GEOG 492D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 492N1**

**Credit Weight:** 1.5

**Transcript Title:** Joint Honours Research

**Calendar Title:** Joint Honours Research.

**Description:**
Supervised reading, research and preparation of an undergraduate thesis under the direction of a member of staff.

**Notes:**
Winter, Fall

Students must also register for GEOG 492N2

No credit will be given for this course unless both GEOG 492N1 and GEOG 492N2 are successfully completed in a twelve month period

**Administering Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 492N2**
Credit Weight: 1.5
Transcript Title: Joint Honours Research
Calendar Title: Joint Honours Research.
Description:
See GEOG 492N1 for course description.
Notes:
Fall
Prerequisite: GEOG 492N1
No credit will be given for this course unless both GEOG 492N1 and GEOG 492N2 are successfully completed in a twelve month period
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 493
Credit Weight: 3
Transcript Title: Health & Environment in Africa
Calendar Title: Health and Environment in Africa.
Description:
Exploration of key diseases of development, as well as patterns and determinants of health and disease in East Africa. Topics will focus on population and environmental health.
Notes:
Prerequisite: GEOG 221, GEOG 303 or permission of instructor
Restrictions: Not open to students who have taken GEOG 403. Open to students in the African Field Study Semester (AFSS) only.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 494
Credit Weight: 3
Transcript Title: Urban Field Studies
Calendar Title: Urban Field Studies.
Description:
Geographical research in urban public and semi-public spaces. Demonstration of techniques of mapping, sampling, measurement, photography, interviewing. Attention to research design.
Notes:
Fall
Prerequisites: One of the following: GEOG 201, GEOG 203, GEOG 210, GEOG 216, GEOG 217, GEOG 272, or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 495
Credit Weight: 3
Transcript Title: Field Studies-Physical Geog
Calendar Title: Field Studies - Physical Geography.
Description:
Field research projects in physical geography. Held locally in Montereigan or Eastern Township regions. The course is organised around field projects designed to formulate and test scientific hypotheses in a physical geography discipline. May Summer session.
Notes:
2-week field school
Prerequisites: 6 credits from the following list of Systematic Physical Geography courses: GEOG 305, GEOG 321, GEOG 322, GEOG 350, GEOG 372
Additional Dept. fee $563.10 will be charged to student fee account to cover the cost of transportation, accommodations, local fees and all meals for approximately 12 nights, as the course is held at the Gault Estate at Mont St.-Hilaire during May.

**Administering Faculty**: Faculty of Science
**Teaching Department**: Geography
**Status (catalog level)**: Active

**GEOG 496**
**Credit Weight**: 3
**Transcript Title**: Geographical Excursion
**Calendar Title**: Geographical Excursion.
**Description**: Lecture course on the geography of a region and excursion through the selected country or region including landscape interpretation and field study projects.

**Notes**:
Winter
Prerequisites: GEOG 290 and permission of instructor
Instructor's approval required.
A fee of $2729.76 in Winter is charged to all students registered in GEOG 496 Geographical Excursion. The course is held in Barbados, West Indies and is given during the last week of February (Study Break). The fee is used to support the cost of transportation, accommodations, local fees and some meals for ten days.
Note that the trip to Barbados is compulsory if you enroll for GEOG 496

**Administering Faculty**: Faculty of Science
**Teaching Department**: Geography
**Status (catalog level)**: Active

**GEOG 498**
**Credit Weight**: 3
**Transcript Title**: Humans in Tropical Environments
**Calendar Title**: Humans in Tropical Environments.
**Description**: Focus on understanding of inter-relations between humans and neotropical environments represented in Panama. Study of contemporary rural landscapes, their origins, development and change. Impacts of economic growth and inequality, social organization, and politics on natural resource use and environmental degradation. Site visits and field exercises in peasant/colonist, Amerindian, and plantation communities.

**Notes**:
Winter
6 hours lecture for 4 weeks, 3 hours seminar, 2 hours laboratory, 8 hours conference
Restriction: Location in Panama. Student must register for a full semester of studies in Panama
Prerequisites: HISP 218, MATH 203 or equivalents

**Administering Faculty**: Faculty of Science
**Teaching Department**: Geography
**Status (catalog level)**: Active

**GEOG 499**
**Credit Weight**: 3
**Transcript Title**: Subarctic Field Studies
**Calendar Title:** Subarctic Field Studies.

**Description:**
An introduction to the geography of the subarctic with emphasis on the application of field methods in physical and/or human geography.

**Notes:**
Fall
Prerequisite: GEOG 203 or GEOG 301
Instructor's approval required.
A fee of $2,329.11 is charged to all students registered in GEOG 499 Subarctic Field Studies. This course is held at Schefferville, Quebec in late August through early September. The fee is used to support the cost of transportation, accommodations, local fees and all meals. The department subsidizes a portion of the cost of this compulsory activity for each student registered in a Geography Major or Honours program.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

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**GEOG 502**

**Credit Weight:** 3

**Transcript Title:** Geography of Northern Dev

**Calendar Title:** Geography of Northern Development.

**Description:**
Analysis of the evolution of development policies and their spatial implications in circumpolar areas with an emphasis on the application of geographical concepts. Special attention is given to indigenous peoples and new immigrant populations in northern North America.

**Notes:**
Fall
3 hours
Prerequisite (Undergraduate): GEOG 301 or GEOG 436, or permission of instructor

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active

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**GEOG 503**

**Credit Weight:** 3

**Transcript Title:** Advanced Topics in Health Geog

**Calendar Title:** Advanced Topics in Health Geography.

**Description:**
A critical review of current themes and trends in health geography, with emphasis on geographical perspectives in public health research. Topics include the social and environmental determinants of chronic and infectious disease, health and health-related behaviours. Seminars focus on critical appraisal of conceptual and methodological approaches in health geography research.

**Notes:**
Fall
3 hours
Prerequisite: GEOG 303 or GEOG 403 or permission of instructor
Restrictions: Course open to U3 undergraduate students and graduate students in the Department of Geography OR others with permission of instructor. Not open to students who took GEOG 503 in Winter 2009.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Geography

**Status (catalog level):** Active
GEOG 504
Credit Weight: 3
Transcript Title: Advanced Economic Geography
Calendar Title: Advanced Economic Geography.
Description: The objective of this seminar course is to develop an understanding of the geographical dimensions of a variety of new forms of economic and social organization that are emerging across the globe. Key themes focus on innovation, technological and managerial change, evolutionary economic geography, globalization, and changing geographies of inequality.
Notes: Winter
Prerequisites: GEOG 311 or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 505
Credit Weight: 3
Transcript Title: Global Biogeochemistry
Calendar Title: Global Biogeochemistry.
Description: An examination of the storage, transfers and cycling of major elements and substances, with an emphasis on the global scale and the linkages between the atmosphere, hydrosphere, lithosphere and biosphere.
Notes: Winter
2 hours and research
Prerequisite: GEOG 305 or GEOG 322 and permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 506
Credit Weight: 3
Transcript Title: Adv Geographic Information Sci
Calendar Title: Advanced Geographic Information Science.
Description: Critically analyse major themes in geographic information science and draw out the practical ramifications for spatial technologies and research. Topics such as spatial interoperability, data quality, scale, visualization, location based services and ontologies are covered.
Notes: Winter
2 hours and laboratory
Prerequisite: (Undergraduate): GEOG 384 or GEOG 414; and permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 507
Credit Weight: 3
Transcript Title: Advanced Social Geography
Calendar Title: Advanced Social Geography.
Description:
Current theories and themes in social geography, such as relations between society and space, social and spatial relations of inequality, difference and diversity, situated and embodied identities, social issues and problems, connections between society and nature, all within a spatial framework.

Notes:
Prerequisite: GEOG 331 or equivalent, and permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 509
Credit Weight: 3
Transcript Title: Qualitative Methods
Calendar Title: Qualitative Methods.
Description:
Qualitative methods that geographers use and the debates surrounding their use; epistemological underpinnings of methodological choices.

Notes:
Fall
Prerequisite: Permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 510
Credit Weight: 3
Transcript Title: Humid Tropical Environments
Calendar Title: Humid Tropical Environments.
Description:
Focus on the environmental and human spatial relationships in tropical rain forest and savanna landscapes. Human adaptation to variations within these landscapes through time and space. Biophysical constraints upon "development" in the modern era.

Notes:
Fall
3 hours
Prerequisite: GEOG 203 or equivalent and written permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 511
Credit Weight: 3
Transcript Title: Advanced Political Geography
Calendar Title: Advanced Political Geography.
Description:
Questions of space and power in contemporary political geography. Range of topics, including territoriality, the state, the politics of space, critical geopolitics, symbolic landscapes, and GIS and mapping. Emphasizes theoretical issues but includes empirical and/or case studies.

Notes:
Restriction(s): Undergraduate students require the permission of the instructor to enroll.
To obtain permission, students should email the instructor, Prof. Forest, benjamin.forest@mcgill.ca. The class is intended to appeal broadly to graduate
students in human geography.

**Administering Faculty**: Faculty of Science  
**Teaching Department**: Geography  
**Status (catalog level)**: Active

**GEOG 512**  
**Credit Weight**: 3  
**Transcript Title**: Adv Quant Meth in Soc Fld Rsch  
**Calendar Title**: Advanced Quantitative Methods in Social Field Research.  
**Description**: How does one collect data to quantitatively assess research questions in human geography or other social sciences, and what methods are available to analyze those data? This course introduces students to advanced statistical techniques commonly confronted in field-based social science studies. The course is divided into four major topics: research design, evaluating impacts of policies or programs, time-series data, and spatial interactions. For the techniques investigated, the course will highlight major technical assumptions, field considerations for data collection, and how each does or does not account for geographic factors that may influence outcomes of interest.  
**Notes**: Prerequisite(s): GEOG 351 or SOCI 504 or SOCI 505 or ECON 337, or equivalent experience in applied multivariate regression with permission of instructor.  

**Administering Faculty**: Faculty of Science  
**Teaching Department**: Geography  
**Status (catalog level)**: Active

**GEOG 514**  
**Credit Weight**: 3  
**Transcript Title**: Clim Change Vulnblty & Adapt  
**Calendar Title**: Climate Change Vulnerability and Adaptation.  
**Description**: A critical examination of: the theoretical and conceptual evolution of climate change vulnerability and adaptation research; methodological developments from the role of model-driven assessments to the rise of participatory case study research, and the integration of vulnerability research into adaptation planning.  
**Notes**: Prerequisite: GEOG 406 or ECON 347, or equivalent with permission of instructor  

**Administering Faculty**: Faculty of Science  
**Teaching Department**: Geography  
**Status (catalog level)**: Active

**GEOG 515**  
**Credit Weight**: 3  
**Transcript Title**: Contemporary Dilemmas of Devlp  
**Calendar Title**: Contemporary Dilemmas of Development.  
**Description**: Analysis of acute geographic dilemmas of international development. Emphasis on 1) rural systems and the problems of agrobiodiversity, land tenure, conflict, food relief, refugees and migration, the peace process, geopolitics and diplomacy; 2) role of development programs and agendas of the international community, the workings of development On the Ground (TM).  
**Notes**: Prerequisite(s): GEOG 310, GEOG 408, or a 400-level course in development  

**Restriction(s)**: Only open to U3 students with permission of instructor.  
**Administering Faculty**: Faculty of Science  
**Teaching Department**: Geography  
**Status (catalog level)**: Active
GEOG 520

Credit Weight: 3
Transcript Title: Agric., Envir., & Food Security
Calendar Title: Agriculture, Environment, and Food Security.
Description:
This course will consider multiple dimensions of the food security-environment challenge, including the biophysical, economic, nutritional, socio-political, and policy/institutional. It will use a global perspective, drawing upon both global-scale research as well as case studies from different regions of the world to understand the geography of agricultural production, its environmental footprint, and of malnutrition.
Notes:
Prerequisite(s): ENVR 201, and NUTR 341 or any 300 or 400-level course in agricultural science, ecology, environment, economics, geography, or nutrition, or with permission of instructor.
Restriction(s): Open to U2 and U3 undergraduate students with permission of instructor.
Restriction(s): Open to graduate students.
Restriction(s): Restricted to U2 and U3 students.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 522

Credit Weight: 3
Transcript Title: Adv Environmental Hydrology
Calendar Title: Advanced Environmental Hydrology.
Description:
Surface and shallow ground water determine the availability of moisture and many chemical elements at the Earth's surface. This course discusses the link between surface water and ground water flow systems and the role this link plays in stream flow production and biogeochemical cycling in lake, riparian and terrestrial ecosystems.
Notes:
2 hours and 1 tutorial
Prerequisite: GEOG 322, or permission of instructor
Cross-listed with CASN 300
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 523

Credit Weight: 3
Transcript Title: Global Ecosystems and Climate
Calendar Title: Global Ecosystems and Climate.
Description:
Linkages and feedbacks among climate, ecosystems, and human land use at global scales. How global-scale ecological processes (primary production, carbon cycle, etc.) are driven by variations in climate and land use practices such as agriculture and deforestation. How natural and human-modified ecosystems exchange carbon and water with the atmosphere.
Notes:
Fall
3 hours
Prerequisite: GEOG 203 and 321 or equivalent, or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

**GEOG 525**
Credit Weight: 3
Transcript Title: Asian Cities in the 21st C
Calendar Title: Asian Cities in the 21st Century.
Description:
This course examines current themes relating to mass urbanization in Asia in a range of contexts and the forces that shape the built environment of Asian cities. Various approaches to understanding Asian cities and current theoretical debates will be investigated, including recent critiques of western-centric theorizations of urban change in the region. The course examines a variety of themes through which students will gain familiarity with some of the major strands relating to urban change in Asia: national identity, neoliberalism, social exclusions, migration, religion, ethnicity and sustainability.
Notes:
Prerequisite(s): GEOG 325, or 9 credits of Geography courses in Urban Geography, or permission of the instructor.
Open to graduate students and final year undergraduates.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

**GEOG 530**
Credit Weight: 3
Transcript Title: Global Land & Water Resources
Calendar Title: Global Land and Water Resources.
Description:
Linkage of physical processes (hydrology and ecosystems) with issues of societal and socio-economic relevance (land, food, and water use appropriation for human well-being). Application of a holistic perspective on land, food and water issues in an international setting, highlighting linkages, feedbacks and trade-offs in an Earth system context.
Notes:
Prerequisite(s): GEOG 203 or ESYS 200 or ENVR 200 or equivalent; GEOG 322 or BREE 217 or equivalent; or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

**GEOG 535**
Credit Weight: 3
Transcript Title: Remote Sensing & Interpretation
Calendar Title: Remote Sensing and Interpretation.
Description:
Basic photogrammetry and interpretation procedures for aircraft and space craft photography and imagery.
Notes:
Winter
3 hours
Prerequisite: GEOG 308 and written permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
GEOG 536
Credit Weight: 3
Transcript Title: Geocryology
Calendar Title: Geocryology.
Description:
Study of the unique geomorphic aspects of periglacial and permafrost environments. The focus will be on processes in cold climates, the impact of human activity on permafrost landscapes and potential impacts of climatic change.
Notes:
Fall
3 hours
Prerequisite: GEOG 272 and any 300-level geomorphology course approved by instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 537
Credit Weight: 3
Transcript Title: Advanced Fluvial Geomorphology
Calendar Title: Advanced Fluvial Geomorphology.
Description:
An examination of current advances in fluvial geomorphology: sediment entrainment and transport, alluviation and river channel evolution.
Notes:
Winter
Prerequisite (Undergraduate): permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 540
Credit Weight: 3
Transcript Title: Topics in Geography 1
Calendar Title: Topics in Geography 1.
Description:
In-depth review of a current topic in physical geography.
Notes:
Winter
Prerequisite: Permission of instructor.
Note: This course is offered on an irregular basis. See Geography website (www.geog.mcgill.ca) for current status.
Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 541
Credit Weight: 3
Transcript Title: Topics in Geography 2
Calendar Title: Topics in Geography 2.
Description:
In-depth review of a current topic in human geography.
Notes:
Prerequisite: Permission of instructor.
Note: This course is offered on an irregular basis. See Geography website
GEOG 542
Credit Weight: 1
Transcript Title: Adv Studies in Geography 1
Calendar Title: Advanced Studies in Geography 1.
Description: Intensive review of a current topic or technique in physical geography.
Notes: Prerequisite: Permission of instructor.
Note: This course is offered on an irregular basis. See Geography website (www.geog.mcgill.ca) for current status.

GEOG 543
Credit Weight: 1
Transcript Title: Adv Studies in Geography 2
Calendar Title: Advanced Studies in Geography 2.
Description: Intensive review of a current topic or technique in human geography.
Notes: Prerequisite: Permission of instructor.
Note: This course is offered on an irregular basis. See Geography website (www.geog.mcgill.ca) for current status.

GEOG 550
Credit Weight: 3
Transcript Title: Historical Ecology Techniques
Calendar Title: Historical Ecology Techniques.
Description: Principles and methods of Quaternary paleoecology and vegetation reconstruction. Examination of ecosystem response to human disturbance and environmental change.
Notes: Fall
2 hours, laboratory and seminar
Prerequisite: GEOG 350 or BIOL 215 or PLNT 460 or permission of instructor.

GEOG 555
Credit Weight: 3
Transcript Title: Ecological Restoration
Calendar Title: Ecological Restoration.
Description: A broad overview of ecological restoration. Considers causes of environmental degradation, why and what we restore, how restoration goals are set, and standards in restoration practice, as well as critiques and philosophies of ecological restoration, such as "ecocultural" restoration.
Notes:
Prerequisites: GEOG 350 or BIOL 308 or PLNT 460 and permission of instructor.
Note: Requires participation in a field trip over reading week. Offered in alternate years.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active

GEOG 601
Credit Weight: 3
Transcript Title: Adv Envrnmntl Systems Modelling
Calendar Title: Advanced Environmental Systems Modelling.
Description:
Simulation of environmental systems, focusing on problem definition, model development and model validation.

Notes:
Restriction: Students taking this course need to have an undergraduate background in atmospheric, ecological, earth, or environmental science or an undergraduate background in environmental engineering.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 617
Credit Weight: 3
Transcript Title: Advanced Urban Geography
Calendar Title: Advanced Urban Geography.
Description:
Classic and contemporary perspectives in urban geography. Range of topics including effects of capitalism, gender, suburbanism, segregation and inequality, property, urban landscapes, and urban space. Emphasizes theoretical issues but includes empirical and/or case studies.

Notes:
Restriction(s): Permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 625
Credit Weight: 3
Transcript Title: Spec Topics in Human Geography
Calendar Title: Special Topics in Human Geography.
Description:
An examination of recent advances in human geography.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 626
Credit Weight: 3
Transcript Title: Spec Top in Physical Geography
Calendar Title: Special Topics in Physical Geography.
Description:
An examination of recent advances in physical geography.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Geography  
Status (catalog level): Active

GEOG 628  
Credit Weight: 3  
**Transcript Title:** Advanced Earth System GIS  
**Calendar Title:** Advanced Earth System Geographic Information Science.  
**Description:** Advanced concepts, methods and techniques in Geographic Information Science (GIS) to manage, process, interpret, understand, and analyze digital geospatial land surface information for applications in Earth system science and hydrology. Emphasis will be placed on discussing and evaluating the underpinning methods for their suitability in advanced Earth system analyses and hydrological models.  
**Notes:**  
Prerequisites: Permission of the instructor.  
Restrictions: Not open to students who have taken or are taking GEOG 428, ENVB 529, BREE 529 or ENVB 530.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Geography  
**Status (catalog level):** Active

GEOG 631  
Credit Weight: 3  
**Transcript Title:** Meth of Geographical Research  
**Calendar Title:** Methods of Geographical Research.  
**Description:** General research seminar in human and physical geography.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Geography  
**Status (catalog level):** Active

GEOG 631D1  
Credit Weight: 1.5  
**Transcript Title:** Meth of Geographical Research  
**Calendar Title:** Methods of Geographical Research.  
**Description:** General research seminar in human and physical geography.  
**Notes:**  
Students must register for both GEOG 631D1 and GEOG 631D2  
No credit will be given for this course unless both GEOG 631D1 and GEOG 631D2 are successfully completed in consecutive terms  
GEOG 631D1 and GEOG 631D2 together are equivalent to GEOG 631  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Geography  
**Status (catalog level):** Active

GEOG 631D2  
Credit Weight: 1.5  
**Transcript Title:** Meth of Geographical Research  
**Calendar Title:** Methods of Geographical Research.  
**Description:** See GEOG 631D1 for course description.  
**Notes:**  
Prerequisite: GEOG 631D1  
No credit will be given for this course unless both GEOG 631D1 and GEOG 631D2 are successfully completed in consecutive terms
GEOG 631D1 and GEOG 631D2 together are equivalent to GEOG 631

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 631N1
Credit Weight: 1.5
Transcript Title: Meth of Geographical Research
Calendar Title: Methods of Geographical Research.
Description:
General research seminar in human and physical geography.
Notes:
Students must also register for GEOG 631N2
No credit will be given for this course unless both GEOG 631N1 and GEOG 631N2 are successfully completed in a twelve month period
GEOG 631N1 and GEOG 631N2 together are equivalent to GEOG 631

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 631N2
Credit Weight: 1.5
Transcript Title: Meth of Geographical Research
Calendar Title: Methods of Geographical Research.
Description:
See GEOG 631N1 for course description.
Notes:
Prerequisite: GEOG 631N1
No credit will be given for this course unless both GEOG 631N1 and GEOG 631N2 are successfully completed in a twelve month period
GEOG 631N1 and GEOG 631N2 together are equivalent to GEOG 631

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 670
Credit Weight: 3
Transcript Title: Wetlands-Advanced
Calendar Title: Wetlands-Advanced.
Description:
A review of the classification, ecosystem services, and biophysical aspects of wetlands: soils, hydrology, and adaptations of biota with an emphasis on ecological biogeography. Includes major ecological processes that occur in wetlands and the environmental factors that control the structure and function of wetland systems. Techniques for studying plant communities are emphasized and applied to 3 different types of wetlands through field and laboratory work.
Notes:
Prerequisite(s): Permission of instructor
3 day field trip from Levis to Quebec city and across the St. Laurence. There will be a student fee charged in the amount of $68. Fees will cover meals (lunch and dinner), accommodations, ground transportation.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 696
Credit Weight: 3
Transcript Title: Thesis Preparation
Calendar Title: Thesis Preparation.
Description:
Under the guidance of a Master's thesis supervisor, the students analyze the data and theory/literature they have collected. Students produce a progress report on their thesis, including directions for further work.
Notes:
Restriction: Only open to students who have an appropriate background as per departmental special permission.
Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 697
Credit Weight: 18
Transcript Title: Thesis Research (Env't Option)
Calendar Title: Thesis Research (Environment Option)
Description:
Independent research under the supervision of a research director.
Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 698
Credit Weight: 6
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description:
Preparation and evaluation of thesis proposal.
Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 698D1
Credit Weight: 3
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description:
Preparation and evaluation of thesis proposal.
Notes:
Students must register for both GEOG 698D1 and GEOG 698D2
No credit will be given for this course unless both GEOG 698D1 and GEOG 698D2 are successfully completed in consecutive terms
GEOG 698D1 and GEOG 698D2 together are equivalent to GEOG 698
Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 698D2
Credit Weight: 3
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description:
See GEOG 698D1 for course description.
Notes:
Prerequisite: GEOG 698D1
No credit will be given for this course unless both GEOG 698D1 and GEOG 698D2 are successfully completed in consecutive terms
GEOG 698D1 and GEOG 698D2 together are equivalent to GEOG 698

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 698N1
Credit Weight: 3
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description:
Preparation and evaluation of thesis proposal.
Notes:
Students must also register for GEOG 698N2
No credit will be given for this course unless both GEOG 698N1 and GEOG 698N2 are successfully completed in a twelve month period
GEOG 698N1 and GEOG 698N2 together are equivalent to GEOG 698

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 698N2
Credit Weight: 3
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.
Description:
See GEOG 698N1 for course description.
Notes:
Prerequisite: GEOG 698N1
No credit will be given for this course unless both GEOG 698N1 and GEOG 698N2 are successfully completed in a twelve month period
GEOG 698N1 and GEOG 698N2 together are equivalent to GEOG 698

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 699
Credit Weight: 24
Transcript Title: Thesis Research
Calendar Title: Thesis Research.
Description:
Independent research under the supervision of a research director.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 699D1
Credit Weight: 12
Transcript Title: Thesis Research
Calendar Title: Thesis Research.
Description:
Independent research under the supervision of a research director.
Notes:
Students must register for both GEOG 699D1 and GEOG 699D2
No credit will be given for this course unless both GEOG 699D1 and GEOG 699D2 are successfully completed in consecutive terms
GEOG 699D1 and GEOG 699D2 together are equivalent to GEOG 699

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

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**GEOG 699D2**

**Credit Weight:** 12

**Transcript Title:** Thesis Research

**Calendar Title:** Thesis Research.

**Description:**
See GEOG 699D1 for course description.

**Notes:**
Prerequisite: GEOG 699D1

No credit will be given for this course unless both GEOG 699D1 and GEOG 699D2 are successfully completed in consecutive terms
GEOG 699D1 and GEOG 699D2 together are equivalent to GEOG 699

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

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**GEOG 699N1**

**Credit Weight:** 12

**Transcript Title:** Thesis Research

**Calendar Title:** Thesis Research.

**Description:**
Independent research under the supervision of a research director.

**Notes:**
Students must also register for GEOG 699N2

No credit will be given for this course unless both GEOG 699N1 and GEOG 699N2 are successfully completed in a twelve month period
GEOG 699N1 and GEOG 699N2 together are equivalent to GEOG 699

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

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**GEOG 699N2**

**Credit Weight:** 12

**Transcript Title:** Thesis Research

**Calendar Title:** Thesis Research.

**Description:**
See GEOG 699N1 for course description.

**Notes:**
Prerequisite: GEOG 699N1

No credit will be given for this course unless both GEOG 699N1 and GEOG 699N2 are successfully completed in a twelve month period
GEOG 699N1 and GEOG 699N2 together are equivalent to GEOG 699

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

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**GEOG 700**

**Credit Weight:** 0

**Transcript Title:** Comprehensive Examination 1

**Calendar Title:** Comprehensive Examination 1.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 700D1
Credit Weight: 0
Transcript Title: Comprehensive Examination 1
Calendar Title: Comprehensive Examination 1.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Notes:
Students must register for both GEOG 700D1 and GEOG 700D2
No credit will be given for this course unless both GEOG 700D1 and GEOG 700D2 are successfully completed in consecutive terms
GEOG 700D1 and GEOG 700D2 together are equivalent to GEOG 700

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 700D2
Credit Weight: 0
Transcript Title: Comprehensive Examination 1
Calendar Title: Comprehensive Examination 1.
Description:
See GEOG 700D1 for course description.

Notes:
Prerequisite: GEOG 700D1
No credit will be given for this course unless both GEOG 700D1 and GEOG 700D2 are successfully completed in consecutive terms
GEOG 700D1 and GEOG 700D2 together are equivalent to GEOG 700

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 701
Credit Weight: 0
Transcript Title: Comprehensive Examination 2
Calendar Title: Comprehensive Examination 2.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active

GEOG 701D1
Credit Weight: 0
Transcript Title: Comprehensive Examination 2
Calendar Title: Comprehensive Examination 2.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
**Notes:**
Students must register for both GEOG 701D1 and GEOG 701D2
No credit will be given for this course unless both GEOG 701D1 and GEOG 701D2 are successfully completed in consecutive terms
GEOG 701D1 and GEOG 701D2 together are equivalent to GEOG 701

**GEOG 701D2**
**Credit Weight:** 0
**Transcript Title:** Comprehensive Examination 2
**Calendar Title:** Comprehensive Examination 2.
**Description:**
See GEOG 701D1 for course description.

**Notes:**
Prerequisite: GEOG 701D1
No credit will be given for this course unless both GEOG 701D1 and GEOG 701D2 are successfully completed in consecutive terms
GEOG 701D1 and GEOG 701D2 together are equivalent to GEOG 701

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 702**
**Credit Weight:** 0
**Transcript Title:** Comprehensive Examination 3
**Calendar Title:** Comprehensive Examination 3.
**Description:**
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 702D1**
**Credit Weight:** 0
**Transcript Title:** Comprehensive Examination 3
**Calendar Title:** Comprehensive Examination 3.
**Description:**
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

**Notes:**
Students must register for both GEOG 702D1 and GEOG 702D2
No credit will be given for this course unless both GEOG 702D1 and GEOG 702D2 are successfully completed in consecutive terms
GEOG 702D1 and GEOG 702D2 together are equivalent to GEOG 702

**Administering Faculty:** Graduate Studies

**Teaching Department:** Geography

**Status (catalog level):** Active

**GEOG 702D2**
**Credit Weight:** 0
**Transcript Title:** Comprehensive Examination 3
**Calendar Title:** Comprehensive Examination 3.
**Description:**
See GEOG 700D1 for course description.

Notes:
Prerequisite: GEOG 702D1
No credit will be given for this course unless both GEOG 702D1 and GEOG 702D2 are successfully completed in consecutive terms
GEOG 702D1 and GEOG 702D2 together are equivalent to GEOG 702

Administering Faculty: Graduate Studies
Teaching Department: Geography
Status (catalog level): Active
GERM 197
Credit Weight: 3
Transcript Title: FYS: Images of Otherness
Calendar Title: FYS: Images of Otherness.
Description: The seminar examines images and narratives of the foreign, alien, and uncanny Other in major works of German literature, film, music, and art from Romanticism to the present. Works discussed include Wagner's Lohengrin, expressionist art, and texts by authors such as ETA Hoffmann, Kleist, Freud, Nietzsche, Kafka, and Thomas Mann.
Notes: Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum 25
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 200
Credit Weight: 6
Transcript Title: German Lang Intens Beginners
Calendar Title: German Language, Intensive Beginners.
Description: An intensive language course designed to develop communicative skills; covers the first level (GERM 202D1/GERM 202D2) in one term. Required for program students.
Notes: Winter
6 hours, plus 1 hour laboratory
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 202
Credit Weight: 6
Transcript Title: German Language, Beginners
Calendar Title: German Language, Beginners'.
Description: A comprehensive first-level course designed to develop communicative skills.
Notes: 6 hours, plus 1 hour laboratory
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 202D1
Credit Weight: 3
Transcript Title: German Language, Beginners
Calendar Title: German Language, Beginners'.
Description: A comprehensive first level course designed to develop communicative skills.
Notes: Fall, Winter
Students must register for both GERM 202D1 and GERM 202D2. No credit will be given for this course unless both GERM 202D1 and GERM 202D2 are successfully completed in consecutive terms.
GERM 202D1 and GERM 202D2 together are equivalent to GERM 202

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 202D2
Credit Weight: 3
Transcript Title: German Language, Beginners
Calendar Title: German Language, Beginners.
Description:
See GERM 202D1 for course description.
Notes:
Winter
Prerequisite: GERM 202D1
No credit will be given for this course unless both GERM 202D1 and GERM 202D2 are successfully completed in consecutive terms

GERM 202D1 and GERM 202D2 together are equivalent to GERM 202

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 203D1
Credit Weight: 3
Transcript Title: German for Reading
Calendar Title: German for Reading.
Description:
Reading German.
Notes:
Fall, Winter
Restriction: Not open to students who have taken or are taking beginning level courses.
Students must register for both GERM 203D1 and GERM 203D2
No credit will be given for this course unless both GERM 203D1 and GERM 203D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 203D2
Credit Weight: 3
Transcript Title: German for Reading
Calendar Title: German for Reading.
Description:
See GERM 203D1 for description.
Notes:
Prerequisite: GERM 203D1
No credit will be given for this course unless both GERM 203D1 and GERM 203D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 259
Credit Weight: 3
Transcript Title: Intro to German Literature 1
Calendar Title: Introduction to German Literature 1.
Description:
Introduction to the major authors, genres, and topics of German literature from the Middle Ages to the Age of Goethe, including the Nibelungenlied, Faust, classical tragedy, and the rise of the novel.

Notes:
Fall
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 260
Credit Weight: 3
Transcript Title: Intro to German Literature 2
Calendar Title: Introduction to German Literature 2.
Description:
Introduction to the major authors, genres, and topics of German literature from the 19th century to the present.

Notes:
Winter
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 300
Credit Weight: 6
Transcript Title: German Lang Intensive Intermed
Calendar Title: German Language Intensive Intermediate.
Description:
Continuation of GERM 200; covers the second level (GERM 307D1/GERM 307D2) in one term.
Notes:
Fall
6 hours, plus 1 hour laboratory
Prerequisite: GERM 200 or GERM 202, 202D1/D2 or equivalent, or permission of Department
Required for program students
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 307
Credit Weight: 6
Transcript Title: German Language - Intermediate
Calendar Title: German Language - Intermediate.
Description:
Review of grammar, further development of basic skills; literary and cultural readings.
Notes:
6 hours
Prerequisite: GERM 202 or GERM 200, or equivalent, or permission of Department
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
GERM 307D1
Credit Weight: 3
Transcript Title: German Language - Intermediate
Calendar Title: German Language - Intermediate.
Description: Review of grammar, further development of basic skills; literary and cultural readings.
Notes: Fall, Winter
Prerequisite: GERM 200 or GERM 202, 202D1/D2, or equivalent, or permission of Department.
Students must register for both GERM 307D1 and GERM 307D2.
No credit will be given for this course unless both GERM 307D1 and GERM 307D2 are successfully completed in consecutive terms.
GERM 307D1 and GERM 307D2 together are equivalent to GERM 307

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 307D2
Credit Weight: 3
Transcript Title: German Language - Intermediate
Calendar Title: German Language - Intermediate.
Description: See GERM 307D1 for course description.
Notes: Winter
Prerequisite: GERM 307D1
No credit will be given for this course unless both GERM 307D1 and GERM 307D2 are successfully completed in consecutive terms.
GERM 307D1 and GERM 307D2 together are equivalent to GERM 307

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 325
Credit Weight: 6
Transcript Title: German Lang-Intensive Advanced
Calendar Title: German Language - Intensive Advanced.
Description: This course aims at developing post-intermediate proficiency in listening, speaking, reading, and writing skills, with emphasis on oral and written expression. Special attention is given to word formation and to the proper choice of grammatical structures, vocabulary, and phraseology.
Notes: Fall or Winter
6 hours
Prerequisite: GERM 300 or GERM 307D1/D2, or equivalent, or permission of Department.
Required for program students.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 326
Credit Weight: 3
Transcript Title: Topics in Germ Lang & Culture
Calendar Title: Topics: German Language and Culture.
Description:
This course aims to both improve students' speaking and writing skills at the intermediate and advanced levels and to deepen their understanding of German culture through contemporary short texts and films. Topics include migration and national identity, memory and history, gender roles, and intergenerational conflicts. Students develop their transcultural competencies through critical engagement with the course materials. Selected grammatical topics will be reviewed.
Notes:
Prerequisite(s): GERM 307 or equivalent or permission of the Instructor.
Corequisite(s): May be taken concurrently with GERM 325 and with permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 331
Credit Weight: 3
Transcript Title: Germany after Reunification
Calendar Title: Germany after Reunification.
Description:
The events which led to the fall of the Berlin Wall, the reunification of Germany in 1990 and the changing cultural, social, political and economic landscape of the 'New Germany'. Highlighting issues of cultural and social politics, texts discussed include historical, literary and film material.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 332
Credit Weight: 3
Transcript Title: Topics 18th C German Lit & Cul
Calendar Title: Topics in Eighteenth-Century German Literature and Culture.
Description:
Study of specific topics as they relate to eighteenth-century German literature and culture.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 333
Credit Weight: 3
Transcript Title: What is Enlightenment?
Calendar Title: What is Enlightenment?.
Description:
An introduction to the debates and values of eighteenth-century German literature and culture.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
GERM 335
Credit Weight: 3
Transcript Title: Science and Literature
Calendar Title: Science and Literature.
Description: This course examines the complex exchanges between science and literature across German literature and culture.
Notes: Given in German
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 336
Credit Weight: 3
Transcript Title: German Language, Media & Culture
Calendar Title: German Language, Media and Culture.
Description: Introduction to German culture through literary and non-literary texts, film, multimedia, commercials, painting and photography. By learning how to read these cultural productions, students will refine their communication skills, expand reading strategies, build vocabulary, and review selective grammatical structures.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 337
Credit Weight: 3
Transcript Title: Literature and Revolution
Calendar Title: Literature and Revolution.
Description: Seminar on the relationship between literature and political, social and aesthetic change.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 340
Credit Weight: 3
Transcript Title: Romanticism
Calendar Title: Romanticism.
Description: This course examines one of the pivotal moments of cultural transition in German literary history.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 341
Credit Weight: 3
Transcript Title: Essay Writing
Calendar Title: Essay Writing.
Description: This course is designed to further develop the writing skills of students having attained the 325-level. The rhetorical strategies of writing will be studied and analyzed with different text genres: letters, curriculum vitae, summaries, book reviews, expository and argumentative essays, minutes, feature stories, term papers, etc. Particular attention will be paid to argumentation, vocabulary, and style.
Notes: Fall
Given in German
Prerequisite: GERM 325 or equivalent, or permission of Department
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 344
Credit Weight: 3
Transcript Title: Realism
Calendar Title: Realism.
Description: What are the different ways social life has been represented in German literature and culture?
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 348
Credit Weight: 3
Transcript Title: Nature and Ecopoetics
Calendar Title: Nature and Ecopoetics.
Description: This course examines how German literature and culture engage with and construct an understanding of nature and the environment
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 350
Credit Weight: 3
Transcript Title: Modernism and the Avant-Garde
Calendar Title: Modernism and the Avant-Garde.
Description: This course will focus on the variety of German modernisms and their schools of thought.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 351
Credit Weight: 3
Transcript Title: Berlin
Calendar Title: Berlin.
Description:
Interdisciplinary study of the quintessential modern centers within Germanic speaking Europe.

Notes:
Given in German

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 352
Credit Weight: 3
Transcript Title: German Lit- 19th Cent 3
Calendar Title: German Literature - 19th Century 3.
Description:
This course offers an introduction to the literary movements of Biedermeier, Junges Deutschland, Vormärz, Poetic Realism, and Naturalism in connection with the political and social developments in 19th century Germany. Tests by major authors such as Buchner, Heine and Fontane will be discussed.

Notes:
Winter

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 355
Credit Weight: 3
Transcript Title: Nietzsche and Wagner
Calendar Title: Nietzsche and Wagner.
Description:
This course examines the relationship between the philosopher Friedrich Nietzsche and the composer Richard Wagner. It explores their intellectual kinship, their view of art, music, and philosophy in the context of Nietzsche's critique of modernity and decadence and analyzes the Third Reich's and Hollywood's appropriation of Nietzsche and Wagner.

Notes:
Winter

Given in English

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 357
Credit Weight: 3
Transcript Title: German Culture in Euro Context
Calendar Title: German Culture in European Context.
Description:
A comparative examination of selected moments in German literary, artistic and cultural history in relation to broader European movements; focus on influences, exchanges and dialogues across national boundaries.

Notes:
Fall

Course given in English
Prerequisite: A culture or literature course at the 200 or 300 level

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
GERM 358
Credit Weight: 3
Transcript Title: Franz Kafka
Calendar Title: Franz Kafka.
Description:
This course will look at the works on Franz Kafka, a "classic" modernist author, in three characteristic genres: the story, the novel, and the short prose piece. A selection of Kafka's letters and diary entries as well as critical approaches to his work will also be studied.
Notes:
Fall
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 360
Credit Weight: 3
Transcript Title: German Drama
Calendar Title: German Drama.
Description:
This course will survey the theatrical tradition within German.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 361
Credit Weight: 3
Transcript Title: Weimar Literature and Culture
Calendar Title: Weimar Literature and Culture.
Description:
The course deals with the culture, literature and society of the Weimar Republic and the period of the Third Reich and the Holocaust. Writers studied will include: Brecht, Seghers, Fleisser, Kästner, Tucholsky, Benn, Kolmar, and Lasker-Schüler.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 362
Credit Weight: 3
Transcript Title: 20th Century Literature Topics
Calendar Title: 20th Century Literature Topics.
Description:
Introduction to selected topics and genres in twentieth century literature and culture.
Notes:
Fall
Given in German
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
GERM 363
Credit Weight: 3
Transcript Title: German Postwar Literature
Calendar Title: German Postwar Literature.
Description:
The course deals with the literature and culture of the Federal Republic of Germany, the former German Democratic Republic and unified Germany since 1945. It treats major authors and trends. Topics addressed include issues of nationalism and gender, multiculturalism, and other concerns of contemporary German society.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 364
Credit Weight: 3
Transcript Title: Gender&Society -German Lit&Cul
Calendar Title: Gender and Society in German Literature and Culture.
Description:
In connection with notions of identity, nationhood, political change, and cultural difference, this course investigates concepts and issues of gender in contemporary German Society. The readings include critical essays and literary texts by writers, scholars, philosophers, journalists, politicians, and political activists.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 365
Credit Weight: 3
Transcript Title: Modern Short Fiction
Calendar Title: Modern Short Fiction.
Description:
A study of short prose forms in German throughout history.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 366
Credit Weight: 3
Transcript Title: Lyric Poetry
Calendar Title: Lyric Poetry.
Description:
Introduction to the study of German Poetry from the Middle Ages to the present.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

GERM 367
Credit Weight: 3
Transcript Title: Topics In German Thought
Calendar Title: Topics in German Thought.
Description: A variety of issues significant to the development of German cultural and intellectual life.
Notes: Winter
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 368
Credit Weight: 3
Transcript Title: Fin-de-Siècle Vienna
Calendar Title: Fin-de-Siècle Vienna.
Description: Interdisciplinary study of one of the formative periods of modern European culture; examination of literature, art, thought, culture and politics in Vienna around 1900.
Notes: Prerequisite: A culture or literature course at the 200 or 300 level
Course given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 369
Credit Weight: 3
Transcript Title: The German Novel
Calendar Title: The German Novel.
Description: Sustained engagement with the major texts of the German novel from Grimmelshausen to the present.
Notes: Given in German
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 370
Credit Weight: 3
Transcript Title: Special Topics in German Film
Calendar Title: Special Topics in German Film.
Description: Intensive study of selected topics and periods in German film history.
Notes: Fall
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 371
Credit Weight: 3
Transcript Title: German Cinema
Calendar Title: German Cinema.
Description:
Survey of German cinema from its inception to the present

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 372
Credit Weight: 3
Transcript Title: Topics in German Cinema
Calendar Title: Topics in German Cinema.
Description:
This course investigates a special topic related to the history of German cinema.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 373
Credit Weight: 3
Transcript Title: Weimar German Cinema
Calendar Title: Weimar German Cinema.
Description:
Weimar Cinema brought to the screen a world populated by monsters, lunatics, workers, vamps, strangers, and doubles. These figures embodied the tensions and fears of the Weimar period (1919–1933) in a manner that continues to attract audiences today. This course explores the cultural and political history of the Weimar period through Weimar cinema. It aims to introduce the student to the fundamentals of film analysis, especially formal analysis and textual analysis.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 375
Credit Weight: 3
Transcript Title: German Media Studies
Calendar Title: German Media Studies.
Description:
Introduction to the history of German media studies.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 379
Credit Weight: 3
Transcript Title: German Visual Culture
Calendar Title: German Visual Culture.
Description:
This course engages with the different strands of German visual culture across media.

Notes:
Given in German

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
GERM 381
Credit Weight: 3
Transcript Title: Topics in German Thought
Calendar Title: Topics in German Thought.
Description: Special topics on German intellectual history and its contributions to major philosophical traditions.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 385
Credit Weight: 3
Transcript Title: Critical Theory
Calendar Title: Critical Theory.
Description: Engagement with the history of critique from Kant to Adorno.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 388
Credit Weight: 3
Transcript Title: Post-Wall Culture
Calendar Title: Post-Wall Culture.
Description: Upper level seminar exploring topics in German culture after unification.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 390
Credit Weight: 3
Transcript Title: Topics in 21C German Lit & Cul
Calendar Title: Topics in 21st Century German Literature and Culture.
Description: Study of pressing contemporary themes within German literature.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 397
Credit Weight: 3
Transcript Title: Individual Reading Course 01
Calendar Title: Individual Reading Course 01.
Description: Given solely at the discretion of the instructor.
Notes: Fall
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
**Status (catalog level):** Active

**GERM 401**  
**Credit Weight:** 3  
**Transcript Title:** Advanced Topics German Lit&Cul  
**Calendar Title:** Advanced Topics in German Literature and Culture.  
**Description:** Advanced research course on special topic of German literature and culture.  
**Notes:** Prerequisite(s): Two 300-level German Studies Literature, Film, or Culture courses; permission of the Program Advisor.  
**Administrating Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**GERM 499**  
**Credit Weight:** 3  
**Transcript Title:** Internship: German Studies  
**Calendar Title:** Internship: German Studies.  
**Description:** Internship with an approved host institution or organization.  
**Notes:**  
Fall or Winter  
Prerequisite: Permission of the departmental Internship Advisor.  
Open to U2 and U3 students after completing 30 credits of a 90 credit degree program or 45 credits of a 69-120 credit program, a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course can only be taken as an elective course. German language proficiency required.  
**Administrating Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**GERM 570**  
**Credit Weight:** 3  
**Transcript Title:** Joint Honours Thesis  
**Calendar Title:** Joint Honours Thesis.  
**Description:** Research and completion of the Joint Honours thesis on an approved subject.  
**Notes:**  
Fall or Winter  
Restriction: For students in the Joint Honours Program only.  
**Administrating Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**GERM 575**  
**Credit Weight:** 6  
**Transcript Title:** Honours Thesis  
**Calendar Title:** Honours Thesis.  
**Description:** Research and completion of the Honours thesis on an approved subject.  
**Notes:**  
Fall or Winter  
Restriction: For students in the Honours Program only.  
**Administrating Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures
Status (catalog level): Active

GERM 580
Credit Weight: 3
Transcript Title: Topics in German Lit & Culture
Calendar Title: Topics in German Literature and Culture.
Description: Topics in eighteenth-century German literature.
Notes: Prerequisite(s): Permission by Program Advisor.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 630
Credit Weight: 3
Transcript Title: German Classicism 1
Calendar Title: German Classicism 1.
Description: Seminar on German Classicism.
Symbols:
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 635
Credit Weight: 3
Transcript Title: German Romanticism 1
Calendar Title: German Romanticism 1.
Description: Seminar on German Romanticism.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 640
Credit Weight: 3
Transcript Title: German Realism & Early Nat. 1
Calendar Title: German Realism and Early Naturalism 1.
Description: Seminar on German realism and early naturalism.
Notes: SLOT COURSE - TOPICS VARY FROM YEAR TO YEAR.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 645
Credit Weight: 3
Transcript Title: German Lit.-20th Century 1
Calendar Title: German Literature - 20th Century 1.
Description: Seminar on 20th century German literature.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
GERM 646
Credit Weight: 3
Transcript Title: German Lit.-20th Century 2
Calendar Title: German Literature - 20th Century 2.
Description: Seminar on 20th century German literature.
Symbols: 
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 647
Credit Weight: 3
Transcript Title: German Lit.-20th Century 3
Calendar Title: German Literature - 20th Century 3.
Description: Seminar on 20th century German literature.
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 658
Credit Weight: 3
Transcript Title: Literary Theory & Criticism 4
Calendar Title: Literary Theory and Criticism 4.
Description: Seminar on German literary theory and criticism.
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 665
Credit Weight: 3
Transcript Title: Theo.Approach-Teach German 1
Calendar Title: Theoretical Approach - Teaching German 1.
Description: A theoretical approach to teaching German.
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 675
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 680
Credit Weight: 6
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description: The writing of the research paper.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 681
Credit Weight: 6
Transcript Title: Research Paper 2
Calendar Title: Research Paper 2.
Description: The writing of the research paper.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 682
Credit Weight: 6
Transcript Title: Research Paper 3
Calendar Title: Research Paper 3.
Description: 

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 690
Credit Weight: 9
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: Independent research under the direction of the thesis supervisor(s).

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 691
Credit Weight: 9
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research under the direction of the thesis supervisor(s).

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 692
Credit Weight: 9
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research under the direction of the thesis supervisor(s).

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

GERM 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue
in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
GMED CFRF
Credit Weight: 0
Transcript Title: Weeks Residency
Calendar Title:
Administering Faculty: Post Graduate Medicine
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

GMED MRES
Credit Weight: 0
Transcript Title: Weeks Residency
Calendar Title:
Administering Faculty: Post Graduate Medicine
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
GPHL 200
Credit Weight: 3
Transcript Title: Fndns in Pop and Global Health
Calendar Title: Foundations in Population and Global Health.
Description:
Exploration of global policies, politics, industry and institutions and their
neo-colonial underpinnings, and their influence on current global health theory,
research and practice, with a special focus on the health of Indigenous peoples in
Canada and other racialized groups. The environmental and social determinants of
health and health inequities, with attention to women and children’s health,
communicable and non-communicable disease, and the complexities of disasters and
humanitarian crises. Global health governance, systems, and innovations and social
entrepreneurship in health.
Administering Faculty: Faculty of Arts
Teaching Department: Global & Public Health
Status (catalog level): Active

GPHL 201
Credit Weight: 3
Transcript Title: Pop and Global Health Ethics
Calendar Title: Population and Global Health Ethics.
Description:
An introduction to the concepts of ethics and equity, in a broad range of
applications, including power, privilege and positionality. Exploration
of foundations of ethics as they apply to population and global health practice.
Concepts of human rights, anti-racism, ethics and equity, informed by
an understanding of the legacy of colonization, as they pertain to a wide array of
global health issues.
Notes:
Prerequisite: GPHL 200
Administering Faculty: Faculty of Arts
Teaching Department: Global & Public Health
Status (catalog level): Active
GSFS 200
Credit Weight: 3
Transcript Title: Feminist and Social Justice St
Calendar Title: Feminist and Social Justice Studies.
Description: Introduction to the key concepts, issues, and modes of analysis in the interdisciplinary fields of feminist and social justice studies. Emphasis on the intersections of gender, race, class, sex, sexuality, and nation in systems of power from historical and contemporary perspectives and the means for collectively transforming them.
Notes: Restriction(s): Not open to students who have taken WMST 200.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 250
Credit Weight: 3
Transcript Title: Sexual and Gender Diversity St
Calendar Title: Sexual and Gender Diversity Studies.
Description: Introduction to the interdisciplinary fields of sexual and gender diversity studies from a range of theoretical, historical, and contemporary perspectives with an anti-oppressive and intersectional emphasis on marginalized identities, communities, practices and expressions.
Notes: Restriction(s): Not open to students who have taken SDST 250.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 300
Credit Weight: 3
Transcript Title: Research Inquiry in GSFS
Calendar Title: Research Inquiry in GSFS.
Description: Practices and methods of research inquiry in Gender, Sexuality, Feminist, and Social Justice Studies with a particular emphasis on feminist epistemologies, research methodologies and methods in interdisciplinary contexts.
Notes: Prerequisite(s): GSFS 200 and GSFS 250
Restriction(s): Not open to students who have taken WMST 303.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 301
Credit Weight: 3
Transcript Title: Current Topics 1
Calendar Title: Current Topics 1.
Description: Consideration of contemporary issues in gender, sexuality, feminist, and social justice studies. Topic and approach will vary from year to year.
Notes: Prerequisite(s): GSFS 200 or GSFS 250
Restriction(s): Not open to students who have taken WMST 301 or WMST 302 with the same topic.
GSFS 302
Credit Weight: 3
Transcript Title: Current Topics 2
Calendar Title: Current Topics 2.
Description:
Consideration of contemporary issues in gender, sexuality, feminist, and social justice studies. Topic and approach will vary from year to year.
Notes:
Prerequisite(s): GSFS 200 or GSFS 250.
Restrictions(s): Not open to students who have taken WMST 301 or WMST 302 with the same topic.

GSFS 303
Credit Weight: 3
Transcript Title: Gender and Disability
Calendar Title: Gender and Disability.
Description:
Focus on critical theories of impairment and visions of social justice from gender and disability studies perspectives.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250
Restriction(s): Not open to students who have taken WMST 302 when topic was “Gender and Disability.”

GSFS 304
Credit Weight: 3
Transcript Title: Postcolonial Feminist Theories
Calendar Title: Postcolonial Feminist Theories.
Description:
Critically examines bodies of postcolonial feminist theories from a variety of cross-disciplinary and transnational perspectives.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250
Restriction(s): Not open to students who have taken WMST 401 when topic was “Women and the State in India: Colonial and Postcolonial Perspectives.”

GSFS 305
Credit Weight: 3
Transcript Title: Crit’l Race&Soc Just Theories
Calendar Title: Critical Race and Social Justice Theories.
Description:
An examination of critical race feminisms and social justice theories in historical and contemporary perspectives, exploring how critical race,
transnational, and indigenous feminist theorizing inform social justice, liberation struggles, and other activism.

Notes:
Prerequisite(s): GSFS 200 OR GSFS 250
Restriction(s): Not open to students who have taken WMST 402 when topic was ¿Anti-Racism and Activism in Canada¿, or WMST 301 when topic was ¿Women of Colour in Canada¿.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 306
Credit Weight: 3
Transcript Title: Queer Theory
Calendar Title: Queer Theory.

Description:
Examines the emergence of queer theory in the context of major social movements and key bodies of theory such as women of color feminisms, poststructuralism, performativity, affect and psychoanalysis. Engages with contemporary queer critiques such as queer of colour, transnational, and Indigenous perspectives.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 307
Credit Weight: 3
Transcript Title: Indigenous Feminisms
Calendar Title: Indigenous Feminisms.

Description:
Explores Indigenous feminisms in historical and contemporary contexts, with a critical focus on the tensions between feminist and Indigenous epistemologies. The relationships between feminisms, settler-colonialism, nation-building, and Indigenous social justice struggles will be emphasized.

Notes:
Prerequisite(s): GSFS 200 OR GSFS 250
Restriction(s): Not open to students who have taken WMST 302 in Winter 2014 when topic was ¿Indigenous Women of the North¿.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 308
Credit Weight: 3
Transcript Title: Sex & Gender Minority Cultures
Calendar Title: Sex and Gender Minority Cultures.

Description:
Examination of cultural expression associated with non-normative and minoritarian gender, sex, and sexualities as shaped by local, regional, and global ideologies, economies, and social practices.

Notes:
Prerequisite(s): GSFS 200 OR GSFS 250
Restriction(s): Not open to students who have taken WMST 301 when the topic was ¿Queer Cultures: Gendered Systems and Sexual Meanings in a Modern, Global World¿.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active
GSFS 400
Credit Weight: 3
Transcript Title: Capstone: Engaging Fields of GSFS
Calendar Title: Capstone: Engaging Fields of GSFS.
Description: Examines the current state and debates within the interdisciplinary fields of Gender, Sexuality, Feminist, and Social Justice Studies. Emphasis will be placed on how students can situate their knowledge and scholarship within and beyond these fields.
Notes: Prerequisite(s): GSFS 200, GSFS 250 and GSFS 300
Restriction(s); Open only to students in the GSFS Major Concentration, Honours, or Joint Honours. This course is only open to students in the Gender, Sexuality, Feminist, and Social Justice Studies (GSFS) Major Concentration, Joint Honours Component, and Honours. It is required for Major Concentration students in their final year of study, and optional but recommended for Joint Honours Component and Honours.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 401
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description: Advanced seminar in selected themes and issues in gender, sexuality, feminist, and social justice studies. Topics and theoretical or disciplinary approach will vary from year to year.
Notes: Prerequisite(s): GSFS 200 or GSFS 250 and any GSFS 300 level course
Restrictions(s): Not open to students who have taken WMST 401 or WMST 402 with the same topic.
Note: Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 402
Credit Weight: 3
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description: Advanced seminar in selected themes and issues in gender, sexuality, feminist, and social justice studies. Topics and theoretical or disciplinary approach will vary from year to year.
Notes: Prerequisite(s): GSFS 200 or GSFS 250 and any GSFS 300 level course.
Restriction(s): Not open to students who have taken WMST 401 or WMST 402 with the same topic.
Note: Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 403
Credit Weight: 3
Transcript Title: Feminisms and the Law
Calendar Title: Feminisms and the Law.
Description:
Examines the relationship between feminisms and the law by drawing on feminist legal theory, feminist theories of jurisprudence, post coloniality, critical race epistemologies, and decolonizing methodologies for studying legal culture and law as a site of social struggles.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250 and any GSFS 300 level course
Restriction(s): Not open to students who have taken WMST 501 when the topic was ¿Feminist Legal Theory¿. Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 404
Credit Weight: 3
Transcript Title: Politics of Identity
Calendar Title: Politics of Identity.
Description:
Examines the emergence of identity politics as a corrective to the erasures of gender, sexed, and raced differences in class-based struggles, and to feminist complicity with racism, heterosexism, colonialism, and transphobia. The course engages contemporary debates on identity politics and subjectivity formation, the psychic life of power, struggles for recognition, and solidarity politics.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250 and any GSFS 300 level course
Restriction(s): Not open to students who have taken WMST 301 or WMST 402 as the topic Feminist Theories of Identity. Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 405
Credit Weight: 3
Transcript Title: Social Justice and Activism
Calendar Title: Social Justice and Activism.
Description:
Develops frameworks for understanding the relationships between critical knowledge production, activism, and social justice. Emphasis on activist strategies, social change initiatives, and their underlying theories and methodologies. Explores the emergence of social justice frameworks in response to ongoing histories of colonization, imperialism, and alternative world making.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250 and any GSFS 300 level course. Recommended GSFS 305.
Restriction(s): Not open to students who have taken WMST 401 when the topic was ¿The Women¿s Movement in Canada¿.
Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level.

Administration Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 406
Credit Weight: 3
Transcript Title: Trans*Feminisms
Calendar Title: Trans*Feminisms.
Description:
Contemporary debates in the field of trans*feminist studies, with an emphasis on the historical emergence of trans studies in relation to feminist and queer scholarship and activism. Consideration of the politics of sex/gender transformation vis-à-vis race-racism, sexuality, class, culture, nation, and social justice.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250 and any GSFS 300 level course
Restriction(s): Not open to students who have taken WMST 401 when the topic was Trans*Feminisms.

GSFS 407
Credit Weight: 3
Transcript Title: Sex and Gender: New Directions
Calendar Title: Sexuality and Gender: New Directions.
Description:
Examines the latest critical scholarship in sexual and gender diversity studies.
Notes:
Prerequisite(s): GSFS 200 OR GSFS 250 and any GSFS 300 level course. Recommended GSFS 306
Restriction(s): Not open to students who have taken WMST 402 when the topic was Advanced Theories of Sexuality.

GSFS 450
Credit Weight: 3
Transcript Title: Independent Reading & Research
Calendar Title: Independent Reading and Research.
Description:
Advanced reading course and independent research project under the supervision of an instructor on aspects of gender, sexuality, feminist, and social justice studies.
Notes:
Prerequisite(s): GSFS 200 or GSFS 250 and any GSFS 300 level course.
Restriction(s): Open only to students registered in the Gender, Sexuality, Feminist, and Social Justice Studies programs. Chair and adviser approval required.
Note: Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level. Students can consult the IGSF Internships page at http://www.mcgill.ca/igsf/academic-resources/internships for current internship opportunities.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Inst for Gender, Sex & Fem St

**Status (catalog level):** Active

**GSFS 495D1**

**Credit Weight:** 1.5

**Transcript Title:** Honours/Jt Honours Colloquium

**Calendar Title:** Honours/Joint Honours Colloquium.

**Description:**
Students will research, discuss, and present their thesis topics.

**Notes:**
Prerequisite(s): GSFS 200, GSFS 250, GSFS 300.
Restriction(s): Not open to students who have taken WMST 495D1/D2. Only open to Honours/Joint Honours students in Gender, Sexuality, Feminist, and Social Justice Studies.

Note: GSFS Honours/Joint Honours Colloquium must be completed concurrently with either Honours Thesis or Joint Honours Thesis course in the students' final year of study.

Students must register for both GSFS 495D1 and GSFS 495D2.

No credit will be given for this course unless both GSFS 495D1 and GSFS 495D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Inst for Gender, Sex & Fem St

**Status (catalog level):** Active

**GSFS 495D2**

**Credit Weight:** 1.5

**Transcript Title:** Honours/Jt Honours Colloquium

**Calendar Title:** Honours/Joint Honours Colloquium.

**Description:**
Students will research, discuss, and present their thesis topics.

**Notes:**
Prerequisite(s): GSFS 200, GSFS 250, GSFS 300.
Restriction(s): Not open to students who have taken WMST 495D1/D2. Only open to Honours/Joint Honours students in Gender, Sexuality, Feminist, and Social Justice Studies.

Note: GSFS Honours/Joint Honours Colloquium must be completed concurrently with either Honours Thesis or Joint Honours Thesis course in the students' final year of study.

Students must register for both GSFS 495D1 and GSFS 495D2.

No credit will be given for this course unless both GSFS 495D1 and GSFS 495D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Inst for Gender, Sex & Fem St

**Status (catalog level):** Active

**GSFS 496D1**

**Credit Weight:** 3

**Transcript Title:** Honours Thesis

**Calendar Title:** Honours Thesis.

**Description:**
Supervised reading and preparation of an Honours Thesis under the direction of a faculty supervisor.

Notes:
Prerequisite(s): GSFS 200, GSFS 250, GSFS 300.
Restriction(s): Not open to students who have taken WMST 496D1/D2. Only open to Honours/Joint Honours students in Gender, Sexuality, Feminist, and Social Justice Studies.
Note: GSFS Honours Thesis course must be completed concurrently with GSFS Honours/Joint Honours Colloquium in students’ final year of study.
Students must register for both GSFS 496D1 and GSFS 496D2.
No credit will be given for this course unless both GSFS 496D1 and GSFS 496D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 496D2
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading and preparation of an Honours Thesis under the direction of a faculty supervisor.

Notes:
Prerequisite(s): GSFS 200, GSFS 250, GSFS 300.
Restriction(s): Not open to students who have taken WMST 496D1/D2. Only open to Honours/Joint Honours students in Gender, Sexuality, Feminist, and Social Justice Studies.
Note: GSFS Honours Thesis course must be completed concurrently with GSFS Honours/Joint Honours Colloquium in students’ final year of study.
Students must register for both GSFS 496D1 and GSFS 496D2.
No credit will be given for this course unless both GSFS 496D1 and GSFS 496D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 497D1
Credit Weight: 1.5
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description:
Supervised reading and preparation of a Joint Honours thesis under the direction of a faculty supervisor.

Notes:
Prerequisite(s): GSFS 200, GSFS 250, GSFS 300.
Restriction(s): Not open to students who have taken WMST 497D1/D2. Only open to Honours/Joint Honours students in Gender, Sexuality, Feminist, and Social Justice Studies.
Note: GSFS Honours Thesis course must be completed concurrently with GSFS Honours/Joint Honours Colloquium in students’ final year of study.
Students must register for both GSFS 497D1 and GSFS 497D2.
No credit will be given for this course unless both GSFS 497D1 and GSFS 497D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 497D2
Credit Weight: 1.5
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description: Supervised reading and preparation of a Joint Honours thesis under the direction of a faculty supervisor.
Notes: Prerequisite(s): GSFS 200, GSFS 250, GSFS 300.
Restriction(s): Not open to students who have taken WMST 497D1/D2. Only open to Honours/Joint Honours students in Gender, Sexuality, Feminist, and Social Justice Studies.
Note: GSFS Honours Thesis course must be completed concurrently with GSFS Honours/Joint Honours Colloquium in students’ final year of study. Students must register for both GSFS 497D1 and GSFS 497D2. No credit will be given for this course unless both GSFS 497D1 and GSFS 497D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

GSFS 499
Credit Weight: 3
Transcript Title: GSFS Internship
Calendar Title: GSFS Internship.
Description: Internship with an approved host institution or organization.
Notes: Prerequisite(s): GSFS 200 or GSFS 250 and any GSFS 300 level course.
Restriction(s): Open only to students registered in the Gender, Sexuality, Feminist, and Social Justice Studies programs. Chair and adviser approval required.
Note: Students are required to take the intro course(s) and one GSFS course at the 300 level before taking GSFS courses at the 400 level. Students can consult the IGSF Internships page at http://www.mcgill.ca/igsf/academic-resources/internships
Administering Faculty: Faculty of Arts
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active
HGEN 396
Credit Weight: 3
Transcript Title: Human Genetic Research Project
Calendar Title: Human Genetic Research Project.
Description:
Independent research project with a final written report and an oral presentation.
Notes:
Prerequisite(s): Completion of at least one undergraduate term with cGPA 3.0
Restriction(s): This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science
Administering Faculty: Faculty of Science
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 400
Credit Weight: 3
Transcript Title: Genetics in Medicine
Calendar Title: Genetics in Medicine.
Description:
Using clinical vignettes, this course will emphasize the principles, ethical and legal issues of human heredity in medical genetics in the context of nature and genetic diversity of the human population.
Notes:
Prerequisites: BIOL 200 and BIOL 201 or ANAT 212/BIOC212, BIOL 202 or permission from the instructor
Restriction: U2/U3 or permission from instructor
Administering Faculty: Faculty of Science
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 600
Credit Weight: 6
Transcript Title: Genetic Counselling Practicum
Calendar Title: Genetic Counselling Practicum.
Description:
Designed for students enrolled in the M.Sc. in Genetic Counselling. Students will be taught how to take family histories, read pedigrees and the basic skills required for interviewing patients. Discussions with example cases. Attendance at Genetics Rounds is compulsory.
Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 600D1
Credit Weight: 3
Transcript Title: Genetic Counselling Practicum
Calendar Title: Genetic Counselling Practicum.
Description:
Designed for students enrolled in the M.Sc. in Genetic Counselling. Students will be taught how to take family histories, read pedigrees and the basic skills required for interviewing patients. Discussions with example cases. Attendance at Genetics Rounds is compulsory.
Notes:
Students must register for both HGEN 600D1 and HGEN 600D2
No credit will be given for this course unless both HGEN 600D1 and HGEN 600D2 are
successfully completed in consecutive terms
HGEN 600D1 and HGEN 600D2 together are equivalent to HGEN 600

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 600D2
Credit Weight: 3
Transcript Title: Genetic Counselling Practicum
Calendar Title: Genetic Counselling Practicum.
Description:
See HGEN 600D1 for course description.
Notes:
Prerequisite: HGEN 600D1
No credit will be given for this course unless both HGEN 600D1 and HGEN 600D2 are successfully completed in consecutive terms
HGEN 600D1 and HGEN 600D2 together are equivalent to HGEN 600

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 601
Credit Weight: 3
Transcript Title: Genetic Counselling Principles
Calendar Title: Genetic Counselling Principles.
Description:
Theoretical foundations for the contemporary practice of genetic counselling and the role of the genetic counsellor in the health care delivery system. Topics include counselling theory and psychosocial counselling techniques, the clinical genetics evaluation and case management, and professional ethics, conduct and development.
Notes:
Restriction: Restricted to students in the M.Sc. in Genetic Counselling Program.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 610
Credit Weight: 6
Transcript Title: Genetic Counselling:Indep St
Calendar Title: Genetic Counselling: Independent Studies.
Description:
Students enrolled in the M.Sc. in Genetic Counselling will become involved in an Independent Studies Project with a staff member. Students will also be responsible for specific assigned readings.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 610D1
Credit Weight: 3
Transcript Title: Genetic Counselling:Indep St
Calendar Title: Genetic Counselling: Independent Studies.
Description:
Students enrolled in the M.Sc. in Genetic Counselling will become involved in an Independent Studies Project with a staff member. Students will also be responsible for specific assigned readings.
Notes:
Students must register for both HGEN 610D1 and HGEN 610D2
No credit will be given for this course unless both HGEN 610D1 and HGEN 610D2 are successfully completed in consecutive terms
HGEN 610D1 and HGEN 610D2 together are equivalent to HGEN 610

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 610D2
Credit Weight: 3
Transcript Title: Genetic Counselling: Indep St
Calendar Title: Genetic Counselling: Independent Studies.
Description:
See HGEN 610D1 for course description.
Notes:
Prerequisite: HGEN 610D1
No credit will be given for this course unless both HGEN 610D1 and HGEN 610D2 are successfully completed in consecutive terms
HGEN 610D1 and HGEN 610D2 together are equivalent to HGEN 610

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 617
Credit Weight: 3
Transcript Title: Principles of Medical Genetics
Calendar Title: Principles of Medical Genetics.
Description:
This course will provide students with an overview of the fundamental principles of medical genetics. Topics will include gene structure and function, inheritance patterns, molecular genetics, population genetics, genetic epidemiology, prenatal diagnosis, developmental genetics and birth defects, cancer, pharmacogenomics, treatment, and ethical and public policy issues.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 620
Credit Weight: 3
Transcript Title: Intro Field Work Rotations 1
Calendar Title: Introductory Field Work Rotations 1.
Description:
Students are required to spend a minimum of 600 hours in field work. They will rotate through the various laboratories (cytogenetics, biochemical/molecular genetics) and clinical settings (prenatal diagnosis, screening, medical genetics) at the Montreal Children's Hospital.
Notes:
Restriction(s): Open only to students in the M.Sc. in Genetic Counselling; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 621
Credit Weight: 6
**Transcript Title:** Intro Field Work Rotations 2  
**Calendar Title:** Introductory Field Work Rotations 2.  
**Description:**  
Students are required to spend a minimum of 600 hours in field work. They will rotate through the various laboratories (cytogenetics, biochemical/molecular genetics) and clinical settings (prenatal diagnosis, screening, medical genetics) at the Montreal Children's Hospital.  
**Notes:**  
Prerequisite(s): HGEN 620  
Restriction(s): Open only to students in the M.Sc. in Genetic Counselling; Non-Thesis program.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Human Genetics  
**Status (catalog level):** Active

**HGEN 630**  
**Credit Weight:** 12  
**Transcript Title:** Advanced Field Work Rotations  
**Calendar Title:** Advanced Field Work Rotations.  
**Description:**  
Students are required to spend a minimum of 600 hours in advanced clinical work. Students will rotate through the Division of Medical Genetics at the Montreal Children's Hospital, in some of its disease-oriented clinics and screening programs; at the Neurogenetics Unit of the Montreal Neurological Hospital; and the Medical Genetics Divisions at the adult hospitals (Montreal General Hospital, Royal Victoria Hospital and the Sir Mortimer B. Davis-Jewish General Hospital).  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Human Genetics  
**Status (catalog level):** Active

**HGEN 630D1**  
**Credit Weight:** 6  
**Transcript Title:** Advanced Field Work Rotations  
**Calendar Title:** Advanced Field Work Rotations.  
**Description:**  
Students are required to spend a minimum of 600 hours in advanced clinical work. Students will rotate through the Division of Medical Genetics at the Montreal Children's Hospital, in some of its disease-oriented clinics and screening programs; at the Neurogenetics Unit of the Montreal Neurological Hospital; and the Medical Genetics Divisions at the adult hospitals (Montreal General Hospital, Royal Victoria Hospital and the Sir Mortimer B. Davis-Jewish General Hospital).  
**Notes:**  
Students must register for both HGEN 630D1 and HGEN 630D2  
No credit will be given for this course unless both HGEN 630D1 and HGEN 630D2 are successfully completed in consecutive terms  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Human Genetics  
**Status (catalog level):** Active

**HGEN 630D2**  
**Credit Weight:** 6  
**Transcript Title:** Advanced Field Work Rotations  
**Calendar Title:** Advanced Field Work Rotations.  
**Description:**  
See HGEN 630D1 for course description.  
**Notes:**
Prerequisite: HGEN 630D1
No credit will be given for this course unless both HGEN 630D1 and HGEN 630D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies
**Teaching Department:** Human Genetics
**Status (catalog level):** Active

**HGEN 640**

**Credit Weight:** 3
**Transcript Title:** Second Year Practicum 1
**Calendar Title:** Second Year Practicum 1.

**Description:**
This course aims to further develop the practical skills required for the contemporary practice of genetic counseling. Areas of skill development will include multiculturalism, counseling issues relevant to specific patient populations, and more advanced risk assessment, psychosocial counseling techniques and problem solving.

**Notes:**
Restriction: Restricted to students in the MSc. in Genetic Counselling program.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Human Genetics
**Status (catalog level):** Active

**HGEN 641**

**Credit Weight:** 3
**Transcript Title:** Second Year Practicum 2
**Calendar Title:** Second Year Practicum 2.

**Description:**
This course aims to further develop the practical skills required for the contemporary practice of genetic counselling. Areas of skill development will include multiculturalism, counselling issues relevant to specific patient populations, and more advanced risk assessment, psychosocial counselling techniques and problem solving.

**Notes:**
Restriction: Restricted to students in the MSc. in Genetic Counselling program.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Human Genetics
**Status (catalog level):** Active

**HGEN 650**

**Credit Weight:** 3
**Transcript Title:** Genetic Couns: Reading Project
**Calendar Title:** Genetic Counselling: Reading Project.

**Description:**
Students in the M.Sc. in Genetic Counselling will be assigned a Reading/Literature Search project on various topics: Bereavement, Pregnancy Loss, etc. Students will prepare and present information in seminar/discussion format.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Human Genetics
**Status (catalog level):** Active

**HGEN 660**

**Credit Weight:** 3
**Transcript Title:** Genetics and Bioethics
**Calendar Title:** Genetics and Bioethics.

**Description:**
This course will deal with ethical issues in the gathering, dissemination, and use of genetic information for decisions concerning reproduction, health care, and research.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Genetics

**Status (catalog level):** Active

**HGEN 661**

**Credit Weight:** 3

**Transcript Title:** Population Genetics

**Calendar Title:** Population Genetics.

**Description:**
Principles and concepts of the genetics of human populations.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Genetics

**Status (catalog level):** Active

**HGEN 662**

**Credit Weight:** 3

**Transcript Title:** Laboratory Research Techniques

**Calendar Title:** Laboratory Research Techniques.

**Description:**
Directed training in selected methods. Form and content are flexible to allow the department to meet specific student demands and needs.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Genetics

**Status (catalog level):** Active

**HGEN 663**

**Credit Weight:** 3

**Transcript Title:** Beyond the Human Genome

**Calendar Title:** Beyond the Human Genome.

**Description:**
A review of recent advances in human genomics and current state of the art technologies of DNA sequence and whole genomics analyses, as well as future directions in the post-genomic era.

**Notes:**
Prerequisite: BIOL 370 or by permission of the instructor.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Genetics

**Status (catalog level):** Active

**HGEN 670**

**Credit Weight:** 3

**Transcript Title:** Advances in Human Genetics 1

**Calendar Title:** Advances in Human Genetics 1.

**Description:**
This course will deal with recent progress in human genetics, and its applications to health care, by identifying different fields including different disciplines (e.g. cancer genetics, neurogenetics), different conceptual approaches, or different methodologic approaches.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Genetics

**Status (catalog level):** Active

**HGEN 673**
Credit Weight: 3  
Transcript Title: Mthds&Cncpts: Epgntc Regltn St  
Calendar Title: Methods and Concepts in Epigenetic Regulation Studies.  
Description: Advanced concepts in epigenetics and chromatin regulation, experimental methods used in epigenetics research, and computational methods for analysis of epigenomics data.  
Notes: Restrictions: Not open to students who have taken or are taking PHAR 565.  
Enrolment limitations: minimum 4 students, maximum 15 students.  
Language of instruction: English  
Course is graded.  
Administrating Faculty: Graduate Studies  
Teaching Department: Human Genetics  
Status (catalog level): Active

HGEN 674  
Credit Weight: 3  
Transcript Title: Research Internship  
Calendar Title: Research Internship.  
Description: Research Internship on the ethico-legal and policy issues in human genetics in both the research and the clinical settings.  
Notes: Fall or Winter  
Administrating Faculty: Graduate Studies  
Teaching Department: Human Genetics  
Status (catalog level): Active

HGEN 675  
Credit Weight: 3  
Transcript Title: Stem Cell Biology  
Calendar Title: Stem Cell Biology.  
Notes: Prerequisites: HGEN692 or equivalent Minimum grade attained by student must be: B+  
Administrating Faculty: Graduate Studies  
Teaching Department: Human Genetics  
Status (catalog level): Active

HGEN 676  
Credit Weight: 3  
Transcript Title: Lab Course in Genomics  
Calendar Title: Lab Course in Genomics.  
Description: Introduction to Next Generation Sequencing (NGS) Based Genomics in the form of seminars and laboratory work. Lectures in state of the art sequencing technologies and their applications. Laboratory work in the preparation of high quality libraries for analyzing DNA and large/small RNAs. Hands on experience in setting up next Generation Sequencing using specialized equipment. Tutorials in use of Bio-informatics Analysis tools in experimental design, quality control, and in
depth analysis of data. Practicum in using computational tools for personalized data analyses. Technology paper presentation, as well as production of a report on course data generation and analysis.

Notes:
Prerequisite(s): HGEN 692 or equivalent.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 677
Credit Weight: 3
Transcript Title: Stats Conc in Genet&Genom Anal
Calendar Title: Statistical Concepts in Genetic and Genomic Analysis.
Description:
This course will introduce key statistical concepts that motivate and underlie the many statistical analysis methods currently used in analysis of genetic and genomic data. Emphasis will be placed on understanding how these concepts can influence study designs and analysis choices, and when substantial unanticipated biases can occur. Concepts include an understanding of variability and error, bias and its sources, independence, how distributions of variables impact analysis, outliers, covariates, missing data, the goals of data cleaning, multiple testing, and some consideration of clustering and prediction models.

Notes:
Prerequisite(s): A course introducing basic statistics or equivalent knowledge. Registration is by permission of the course coordinator.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 678
Credit Weight: 3
Transcript Title: Neurogenetics
Calendar Title: Neurogenetics.
Description:
Focus on advanced methods in genetics and their applications to understand the genetics of the brain in health and disease. Topics include high throughput sequencing, genome-wide association studies, disease models, organoids, RNA sequencing, single-cell sequencing and more to better understand the brain.

Notes:
Restriction: Open to all graduate students enrolled in Human Genetics and students in other graduate programs, with permission from the course coordinator.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 679
Credit Weight: 3
Transcript Title: Cancer Genetics: Precision Onc
Calendar Title: Cancer Genetics: Precision Oncology.
Description:
The past, present, and future of cancer research and treatment with an emphasis on precision medicine driven by significant advances in genomics. Precision medicine uses genomcis, RNA and protein abundance, as well as key metabolic and physiological markers to best design and implement treatment.

Notes:
Prerequisite: Approval of the course instructor.

Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 680
Credit Weight: 9
Transcript Title: M.Sc. Thesis Research 1
Calendar Title: M.Sc. Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 681
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 2
Calendar Title: M.Sc. Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 682
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 3
Calendar Title: M.Sc. Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 683
Credit Weight: 6
Transcript Title: M.Sc. Thesis Research 4
Calendar Title: M.Sc. Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administrating Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 690
Credit Weight: 3
Transcript Title: Inherited Cancer Syndromes
Calendar Title: Inherited Cancer Syndromes.
Description: The principles and practice associated with inherited predisposition to cancer (breast and colon cancers, example) such as the methods of gene discovery, clinical characteristics of inherited predisposition, methods of mutation analysis, genetic counselling, and ethical issues of genetic testing.
Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 692
Credit Weight: 3
Transcript Title: Human Genetics
Calendar Title: Human Genetics.
Description: This course will emphasize the principles and practice of human genetics, including an overview of the fundamental aspects of human genetics pertaining to chromosomes and mutations, population, cancer and development genetics, the inheritance of complex traits.
Notes: Restriction: For Department of Human Genetics graduate students.

HGEN 693
Credit Weight: 3
Transcript Title: Using Bioinformatics Resources
Calendar Title: Using Bioinformatics Resources.
Description: Study of internet resources relevant to biomedical research.
Notes: Restriction: As the emphasis of the course instruction will be on the human genome, a preference will be given to graduate students in the Dept. of Human Genetics. Graduate students with basic knowledge of human genome from the Faculty of Medicine can apply with permission of the course coordinator.

HGEN 695
Credit Weight: 3
Transcript Title: Psychiatric Genetics
Calendar Title: Psychiatric Genetics.
Description: A seminar on current knowledge in the field of complex trait genetics as it applies to psychiatric disease.
Notes: Prerequisites: BIOL 370 or HGEN 692 or an equivalent basic course in human genetics or permission of the instructor.
Note: This course is aimed at students enrolled in the Department of Human Genetics graduate program. This course is also open to students from the Department of Psychiatry with permission. Permission is required from other disciplines as there is an expectation that graduate students have a basic knowledge of human heredity and genetic principles of human heredity (see course prerequisites.

HGEN 696
Credit Weight: 3
Transcript Title: Advanced Readings in Genetics 1
Calendar Title: Advanced Readings in Genetics 1.
Description:
A review and discussion of specific topics in genetics (genetic models: population-based, animal, and in vitro genetic models, genomics, and medical genetics) centred on current literature and latest advances in the field.
Notes:
Note: Course enrolment is limited to 12 students.
Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 697
Credit Weight: 3
Transcript Title: Advanced Readings in Genetics 2
Calendar Title: Advanced Readings in Genetics 2.
Description:
A review and discussion of specific topics in genetics (genetic models: population-based, animal, and in vitro genetic models, genomics, and medical genetics) centred on current literature and latest advances in the field.
Notes:
Note: Course enrolment is limited to 12 students.
Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 698
Credit Weight: 3
Transcript Title: Advanced Readings in Genetics 3
Calendar Title: Advanced Readings in Genetics 3.
Description:
A review and discussion of specific topics in genetics (genetic models: population-based, animal, and in vitro genetic models, genomics, and medical genetics) centred on current literature and latest advances in the field.
Notes:
Note: Course enrolment is limited to 12 students.
Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 699
Credit Weight: 3
Transcript Title: Advanced Readings in Genetics 4
Calendar Title: Advanced Readings in Genetics 4.
Description:
A review and discussion of specific topics in genetics (genetic models: population-based, animal, and in vitro genetic models, genomics, and medical genetics) centred on current literature and latest advances in the field.
Notes:
Note: Course enrolment is limited to 12 students.
Administering Faculty: Graduate Studies
Teaching Department: Human Genetics
Status (catalog level): Active

HGEN 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam  
Calendar Title: Ph.D. Comprehensive Examination.  
Description:  
An examination that must be passed by all doctoral candidates in order to continue  
in the doctoral program.  
Administering Faculty: Graduate Studies  
Teaching Department: Human Genetics  
Status (catalog level): Active

HGEN 702  
Credit Weight: 3  
Transcript Title: Kyoto-McGill Ph.D. Seminar  
Calendar Title: Kyoto-McGill Ph.D Seminar.  
Description:  
Required for Kyoto-McGill Ph.D. students. Coordinated in conjunction with the  
Human Genetics Senior Seminars, students will present a research seminar of their  
major thesis research, prior to initial thesis submission and as a requirement for  
graduation.  
Administering Faculty: Graduate Studies  
Teaching Department: Human Genetics  
Status (catalog level): Active
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
<th>Administering Faculty</th>
<th>Teaching Department</th>
<th>Status (catalog level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HISP 199</td>
<td>3</td>
<td>FYS: Hisp Literature &amp; Culture</td>
<td>FYS: Hispanic Literature and Culture</td>
<td>Introduction to major issues in Hispanic literature and culture through the analysis of primary and secondary sources and intensive writing.</td>
<td>Fall; Course taught in Spanish. Students who register for more than one FYS will be obliged to withdraw from all but one of them. Maximum 20 students.</td>
<td>Faculty of Arts</td>
<td>Languages, Literatures, Cultures</td>
<td>Active</td>
</tr>
<tr>
<td>HISP 202</td>
<td>6</td>
<td>Portuguese Language: Beginners</td>
<td>Portuguese Language: Beginners</td>
<td>A comprehensive first-year course in speaking, reading and writing. Selected readings in Portuguese and Brazilian literature.</td>
<td>Restriction: Departmental approval required; beginners only</td>
<td>Faculty of Arts</td>
<td>Languages, Literatures, Cultures</td>
<td>Active</td>
</tr>
<tr>
<td>HISP 204</td>
<td>6</td>
<td>Portuguese Language: Intermed</td>
<td>Portuguese Language: Intermediate</td>
<td>Review of grammar. Practice in speaking and writing. Composition. Selected readings in Portuguese and Brazilian literature.</td>
<td></td>
<td>Faculty of Arts</td>
<td>Languages, Literatures, Cultures</td>
<td>Active</td>
</tr>
<tr>
<td>HISP 210</td>
<td>6</td>
<td>Spanish Language: Beginners</td>
<td>Spanish Language: Beginners</td>
<td>A comprehensive first-level course focusing on all oral and written skills. An introduction to the fundamentals of Spanish grammar and syntax and to Hispanic culture.</td>
<td>Restriction: Not open to students who have taken HISP 218 or equivalent</td>
<td>Faculty of Arts</td>
<td>Languages, Literatures, Cultures</td>
<td>Active</td>
</tr>
</tbody>
</table>
HISP 210D1
Credit Weight: 3
Transcript Title: Spanish Language: Beginners
Calendar Title: Spanish Language: Beginners.
Description:
A comprehensive first-level course focusing on all oral and written skills. An introduction to the fundamentals of Spanish grammar and syntax and to Hispanic culture.
Notes:
Fall, Winter
Restriction: Not open to students who have taken HISP 218 or equivalent
Students must register for both HISP 210D1 and HISP 210D2.
No credit will be given for this course unless both HISP 210D1 and HISP 210D2 are successfully completed in consecutive terms
HISP 210D1 and HISP 210D2 together are equivalent to HISP 210
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 210D2
Credit Weight: 3
Transcript Title: Spanish Language: Beginners
Calendar Title: Spanish Language: Beginners.
Description:
See HISP 210D1 for course description.
Notes:
Prerequisite: HISP 210D1
No credit will be given for this course unless both HISP 210D1 and HISP 210D2 are successfully completed in consecutive terms
HISP 210D1 and HISP 210D2 together are equivalent to HISP 210
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 218
Credit Weight: 6
Transcript Title: Spanish Lang Intens-Elem
Calendar Title: Spanish Language Intensive - Elementary.
Description:
A comprehensive first-level course focusing upon all oral and written skills. An introduction to the fundamentals of Spanish grammar and syntax and to Hispanic culture.
Notes:
Fall or Winter
Restriction: Not open to students who have taken HISP 210 or 210D1/D2 or equivalent
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 219
Credit Weight: 6
Transcript Title: Spanish Lang Intens-Intermed
Calendar Title: Spanish Language Intensive - Intermediate.
Description:
A thorough review of Spanish grammar with emphasis upon current usage. Enrichment of all language skills, with a goal of proficiency in written and oral communication, through readings in the literature and civilization of Spain and Spanish America.

Notes:
Fall or Winter
Prerequisite: HISP 210 or 210D1/D2 or HISP 218 or equivalent
Restriction: Not open to students who have taken HISP 220D1/D2 or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 220
Credit Weight: 6
Transcript Title: Spanish Language: Intermediate
Calendar Title: Spanish Language: Intermediate.
Description:
A thorough review of Spanish grammar with emphasis upon current usage. Enrichment of all language skills, with a goal of proficiency in written and oral communication, through readings in the literature and cultural aspects of Spain and Spanish America.

Notes:
Restriction: Not open to students who have taken HISP 219 or equivalent

HISP 220D1
Credit Weight: 3
Transcript Title: Spanish Language: Intermediate
Calendar Title: Spanish Language: Intermediate.
Description:
A thorough review of Spanish grammar with emphasis upon current usage. Enrichment of all language skills, with a goal of proficiency in written and oral communication, through readings in the literature and civilization of Spain and Spanish America.

Notes:
Fall, Winter
Restriction: Not open to students who have taken HISP 219 or equivalent
Students must register for both HISP 220D1 and HISP 220D2.
No credit will be given for this course unless both HISP 220D1 and HISP 220D2 are successfully completed in consecutive terms
HISP 220D1 and HISP 220D2 together are equivalent to HISP 220

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 220D2
Credit Weight: 3
Transcript Title: Spanish Language: Intermediate
Calendar Title: Spanish Language: Intermediate.
Description:
A thorough review of Spanish grammar with emphasis upon current usage. Enrichment of all language skills, with a goal of proficiency in written and oral communication, through readings in the literature and cultural aspects of Spain and Spanish America.
Notes:
Winter
Prerequisite: HISP 220D1
No credit will be given for this course unless both HISP 220D1 and HISP 220D2 are successfully completed in consecutive terms
HISP 220D1 and HISP 220D2 together are equivalent to HISP 220

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 225
Credit Weight: 3
Transcript Title: Hispanic Civilization 1
Calendar Title: Hispanic Civilization 1.
Description:
A survey of historical and cultural elements which constitute the background of the Hispanic world up to the 18th century; a survey of the pre-Columbian indigenous civilizations (Aztec, Maya and Inca) and the conquest of America.

Notes:
Fall
Taught in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 226
Credit Weight: 3
Transcript Title: Hispanic Civilization 2
Calendar Title: Hispanic Civilization 2.
Description:
A survey of the constitution of the ideological and political structures of the Spanish Empire in both Europe and America until the Wars of Independence; a survey of the culture and history of the Hispanic people from the early 19th Century to the present.

Notes:
Winter
Taught in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 241
Credit Weight: 3
Transcript Title: Survey of Spanish Lit&Cult 1
Calendar Title: Survey of Spanish Literature and Culture 1.
Description:
From the origins to the Golden Age through a study of representative works.

Notes:
Fall
Taught in Spanish
Prerequisite: successful completion of HISP 220D1/D2, HISP 219 or equivalent
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 242
Credit Weight: 3  
Transcript Title: Survey of Spanish Lit & Cult 2  
Calendar Title: Survey of Spanish Literature and Culture 2.  
Description:  
From the Golden Age to the modern period through a study of representative works.  
Notes:  
Winter  
Taught in Spanish  
Prerequisite: successful completion of HIS 219 or CEGEP course 607-401  
Corequisite: HIS 220D1/D2, or equivalent.  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

HISP 243  
Credit Weight: 3  
Transcript Title: Survey of Lat Amer Lit & Cult 1  
Calendar Title: Survey of Latin American Literature and Culture 1.  
Description:  
From the Colonial period to Modernism through a study of representative works.  
Notes:  
Fall  
Taught in Spanish  
Prerequisite: successful completion of HIS 220D1/HIS 220D2, HIS 219 or equivalent  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

HISP 244  
Credit Weight: 3  
Transcript Title: Survey of Lat Amer Lit & Cult 2  
Calendar Title: Survey of Latin American Literature and Culture 2.  
Description:  
From Modernism to the present through a study of representative works.  
Notes:  
Winter  
Taught in Spanish  
Prerequisite: HIS 220D1/HIS 220D2, HIS 219 or equivalent  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

HISP 301  
Credit Weight: 3  
Transcript Title: Hisp Lit & Cult in English 1  
Calendar Title: Hispanic Literature and Culture in English 1.  
Description:  
A topic in the literatures and/or cultures of the Hispanic world will be studied, with all readings and discussion in English.  
Notes:  
Fall  
Taught in English  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active
HISP 320
Credit Weight: 3
Transcript Title: Contemp Brazilian Lit & Film
Calendar Title: Contemporary Brazilian Literature and Film.
Description:
This course introduces students to Brazilian literature and film from the early 20th century to the present day. Students will examine literary works and films from a historical perspective, studying the social, political and regional processes in which they are embedded. From the barren Northeast, to an analysis of gender and race, to urban violence and its manifestations to the contemporary cityscape, this course covers a range of visual and textual material. Students will engage works from major Brazilian authors and filmmakers in conjunction with theoretical texts to better understand some of the main developments in contemporary cultural production.
Notes:
Course taught in English.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 321
Credit Weight: 3
Transcript Title: Hispanic Lit - 18th Century
Calendar Title: Hispanic Literature of the 18th Century.
Description:
A critical study of neo-classical drama and poetry; satirical prose; Jovellanos, Iriarte, Moratín and others.
Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 325
Credit Weight: 3
Transcript Title: Spanish Novel of the 19th C
Calendar Title: Spanish Novel of the 19th Century.
Description:
The Romantic, Realist and Naturalist novel in Spain, with special emphasis on the development of the Spanish novel in relation to contemporary trends in other European countries.
Notes:
Restriction: Not open to students who have taken HISP 325
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 326
Credit Weight: 3
Transcript Title: Spanish Romanticism
Calendar Title: Spanish Romanticism.
Description:
The aesthetic and historical development of Romanticism, with special emphasis on lyric poetry and drama.

Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 328
Credit Weight: 3
Transcript Title: Lit of Ideas: Latin America
Calendar Title: Literature of Ideas: Latin America.
Description: Critical reading and discussion of works of outstanding thinkers as a key to understanding the cultural development of a continent.
Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor
Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 332
Credit Weight: 3
Transcript Title: Latin Amer Lit of 19th Cent
Calendar Title: Latin American Literature of 19th Century.
Description: An intensive study of representative authors from the period of Independence to the advent of Modernism.
Notes:
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 333
Credit Weight: 3
Transcript Title: Theatre, Perf & Politics: Lat Amer
Calendar Title: Theatre, Performance and Politics in Latin America.
Description: A study of the outstanding works of the theatre from the colonial period to the present, including pre-Columbian works.
Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor.
Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 340
Credit Weight: 3
Transcript Title: Latin American Cinema
Calendar Title: Latin American Cinema.
Description:
A study of representative films, directors and movements of the region. Topic specified by instructor.
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 341
Credit Weight: 3
Transcript Title: Spanish Cinema
Calendar Title: Spanish Cinema.
Description:
A study of representative films, directors and movements of the region. Topic specified by instructor.
Notes:
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 345
Credit Weight: 3
Transcript Title: Contemp Hispanic Cult Studies
Calendar Title: Contemporary Hispanic Cultural Studies.
Description:
This course examines contemporary Hispanic Cultural Studies looking at both cultural artifacts and diverse theoretical and methodological approaches. In doing so, it will introduce students to the frameworks necessary for approaching contemporary culture in the Hispanic World. The course will be mindful of issues including ideology, class, race, ethnicity and sexuality. Students will come into contact with the major cultural theorists in the Hispanic World and those issues pertinent to the study of culture.
Notes:
Prerequisites: Successful completion of one of the Survey of Literature courses (HISP 241, HISP 242, HISP 243, HISP 244), or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 347
Credit Weight: 3
Transcript Title: Queer Iberia
Calendar Title: Queer Iberia.
Description:
This course explores queerness as identity, aesthetics, and theory in Iberian
society and culture—literary, visual, audial, and digital. Readings will include cultural texts, performances, theoretical works by major queer and gender theorists, and case studies. The goal of this course is for students to gain a critical understanding of queerness as form, theory, and practice, through the lens of Iberian cultural production.

Notes:
Prerequisites: Successful completion of one of the Survey of Literature courses (HISP 241, HISP 242, HISP 243, HISP 244), or permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 352
Credit Weight: 3
Transcript Title: Latin American Novel
Calendar Title: Latin American Novel.
Description: Critical reading and discussion of contemporary Spanish-American fiction writers.
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor.
Note: Course taught in Spanish.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 355
Credit Weight: 3
Transcript Title: Contemp Spanish Lit & Cult
Calendar Title: Contemporary Spanish Literature and Culture.
Description: An interdisciplinary study of the literary, visual, and digital cultures of contemporary Spain, particularly in its post-authoritarian era (since 1975). Students will also be exposed to critical theory and social and political debates relevant to the course material and its context.
Notes:
Prerequisites: Successful completion of one of the Survey of Literature courses (HISP 241, HISP 242, HISP 243, HISP 244), or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 356
Credit Weight: 3
Transcript Title: Latin American Short Story
Calendar Title: Latin American Short Story.
Description: Study of style, tendencies and types as reflected in the evolution of this genre, and seen against the background of a developing continent.
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 357
Credit Weight: 3
Transcript Title: Lat Amer Digital Lit & Culture
Calendar Title: Latin American Digital Literature and Culture.
Description: This course will examine digital cultural production in Latin America from 1990 to the present day. This course introduces students to theoretical frameworks necessary for approaching new media and web-based cultural artifacts, both literary and visual. Students will come into contact with the major writers, artists and web-based cultural producers in Latin America and issues pertinent to the study of the Web in the region.
Notes: Prerequisites: Successful completion of one of the Survey of Literature courses (HISP 241, HISP 242, HISP 243, HISP 244), or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 358
Credit Weight: 3
Transcript Title: Gender and Textualities
Calendar Title: Gender and Textualities.
Description: Historical development and literary tendencies regarding gender and sexuality in Hispanic literature, film, and culture.
Notes: Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor.
Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 432
Credit Weight: 3
Transcript Title: Lit-Discv&Expl Spain New Wrld
Calendar Title: Literature - Discovery and Exploration Spain New World.
Description: A study of the primary literary and intellectual developments stemming from Spain's discovery of the Americas. Special attention will be given to the changing perception of the New World's natural resources and indigenous peoples as this is reflected in the literature of the period.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 437
Credit Weight: 3
Transcript Title: Colonial/Postcolonial Latin Am
Calendar Title: Colonial / Postcolonial Latin America.
Description: A study of the dialogue between colonial and postcolonial Latin American texts and theories.
Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 438
Credit Weight: 3
Transcript Title: Topics: Spanish Literature
Calendar Title: Topics: Spanish Literature.
Description: Specific topics of interest in Spanish literature.
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor
Note: Course taught in Spanish.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 439
Credit Weight: 3
Transcript Title: Topics: Latin American Lit
Calendar Title: Topics: Latin American Literature.
Description: Specific topics of interest in Spanish-American literature.
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor.
Note: Course taught in Spanish.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 451
Credit Weight: 3
Transcript Title: Don Quixote
Calendar Title: Don Quixote.
Description: Course on the canonical work by Cervantes, Don Quixote. The course will focus on the first modern novel as well as on a number of critical readings.
Notes:
One Term
Prerequisites: HISP 220D1/D2 or permission of the Instructor.
Restrictions: Not open to students who have taken HISP 451D1/D2, HISP 451N1/N2 prior to Fall 2018.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 453
Credit Weight: 3
Transcript Title: 20th C Latin American Poetry
Calendar Title: 20th Century Latin American Poetry.
Description:
A study of representative trends and authors (Darío, Martí, Huidobro, Mistral, Vallejo, Neruda, Paz).
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 454
Credit Weight: 3
Transcript Title: Major Figures: Span Lit & Cult
Calendar Title: Major Figures: Spanish Literature and Culture.
Description:
Specific figures of interest in Spanish literature.
Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 455
Credit Weight: 3
Transcript Title: Major Figures: Lat Am Lit & Cult
Calendar Title: Major Figures: Latin American Literature and Culture.
Description:
Specific figures of interest in Spanish-American literature.
Notes:
Winter
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 457
Credit Weight: 3
Transcript Title: Medieval Literature
Calendar Title: Medieval Literature.
Description:
A study of important works of the period: Poema de Mio Cid to La Celestina. Given in alternate years.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
HISP 458
Credit Weight: 3
Transcript Title: Golden Age Lit: Renaissance
Calendar Title: Golden Age Literature: Renaissance.
Description:
A comprehensive examination of the poetry, prose and drama of the Renaissance in Spain through representative authors.
Notes:
Fall
Prerequisite: Successful completion of any Survey of Literature (HISP 241, HISP 242, HISP 243, HISP 244) or permission of the instructor. Note: Course taught in Spanish.
Restriction: Not open to students who have taken HISP 421, 458 or 460 prior to September 2004
Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 470
Credit Weight: 3
Transcript Title: Tutorial 01
Calendar Title: Tutorial 01.
Description:
Individualized guided research on an approved topic in Hispanic Studies.
Notes:
Fall
Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 490
Credit Weight: 6
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Under the direction of a staff member, students prepare the honours thesis on a theme in Hispanic Studies.
Notes:
Fall or Winter
Restriction: Reserved for Honours and Joint Honours students who will present their honours thesis on a theme in Hispanic Studies written under the direction of a member of staff during their final year of study
Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 490D1
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Under the direction of a staff member, students prepare the honours thesis on a theme in Hispanic Studies.
Notes:
Fall, Winter
Students must register for both HISP 490D1 and HISP 490D2. No credit will be given for this course unless both HISP 490D1 and HISP 490D2 are successfully completed in consecutive terms. HISP 490D1 and HISP 490D2 together are equivalent to HISP 490.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**HISP 490D2**  
**Credit Weight:** 3  
**Transcript Title:** Honours Thesis  
**Calendar Title:** Honours Thesis.  
**Description:**  
See HISP 490D1 for course description.  
**Notes:**  
Prerequisite: HISP 490D1  
No credit will be given for this course unless both HISP 490D1 and HISP 490D2 are successfully completed in consecutive terms. HISP 490D1 and HISP 490D2 together are equivalent to HISP 490.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**HISP 499**  
**Credit Weight:** 3  
**Transcript Title:** Internship: Hispanic Studies  
**Calendar Title:** Internship: Hispanic Studies.  
**Description:**  
Internship with an approved host institution or organization.  
**Notes:**  
Fall or Winter  
Prerequisite: Permission of the departmental Internship Advisor.  
Restriction: Open to U2 and U3 students after completing 30 credits of a 90 credit degree program or 45 credits of a 69-120 credit program, a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will normally not fulfill program requirements for seminar or 400-level courses. Spanish language proficiency required.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**HISP 505**  
**Credit Weight:** 3  
**Transcript Title:** Seminar in Hispanic Studies 01  
**Calendar Title:** Seminar in Hispanic Studies 01.  
**Description:**  
A team-taught seminar examining major issues in Hispanic letters that transcend national literatures and historical periods. Although the specific topics will vary, each will address broad questions of a diachronic nature, thereby permitting an understanding of literary schools and movements, genres or ideologies present throughout the Hispanic world.  
**Symbols:**  
**Notes:**  
Winter  
Taught in Spanish  
**Administering Faculty:** Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 603
Credit Weight: 3
Transcript Title: Research Project Methodology
Calendar Title: Research Project Methodology.
Description: Preparatory work towards the production of the two guided research papers.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 605
Credit Weight: 3
Transcript Title: Culture and Literature
Calendar Title: Culture and Literature.
Description: Investigation of principal themes and critical issues in culture and literature of Spain and/or Latin America.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 606
Credit Weight: 3
Transcript Title: Literature of Ideas
Calendar Title: Literature of Ideas.
Description: Investigation of principal themes and critical issues in the literature of ideas of Spain and/or Latin America.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 615
Credit Weight: 9
Transcript Title: Pre-1800 Literature & Culture
Calendar Title: Pre-1800 Literature and Culture.
Description: A guided research paper on a selected topic in pre-1800 literature and culture of the Iberian Peninsula and/or Latin America under the supervision of a faculty member.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 616
Credit Weight: 9
Transcript Title: Mod & Contemp Iberian Lit&Cult
Calendar Title: Modern and Contemporary Iberian Literature and Culture.
Description: A guided research paper on a selected topic in Iberian literature or culture from 1800 to present under the supervision of a faculty member.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 617
Credit Weight: 9
Transcript Title: Mod&Contemp Lat Amer Lit&Cult
Calendar Title: Modern & Contemporary Latin American Literature and Culture.
Description: A guided research paper on a selected topic in Latin American literature or culture from 1800 to present.
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 625
Credit Weight: 3
Transcript Title: Spanish Theatre: Golden Age
Calendar Title: Spanish Theatre: Golden Age.
Description: Investigation of principal themes and critical issues in the Spanish theatre of the Golden Age.
Symbols: 
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 680
Credit Weight: 3
Transcript Title: Spanish-American Prose
Calendar Title: Spanish-American Prose.
Description: Investigation of topics in Spanish American prose.
Symbols: 
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 690
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description: Special topics seminar on Hispanic literature and culture. Topics may vary by year.
Symbols: 
Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 691
Credit Weight: 3
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description: Special topics seminar on Hispanic literature and culture. Topics may vary by year.
Symbols: 
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 692
Credit Weight: 3
Transcript Title: Special Topics 3
Calendar Title: Special Topics 3.
Description:
Special topics seminar on Hispanic literature and culture. Topics may vary by year.
Symbols:
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 693
Credit Weight: 3
Transcript Title: Special Topics 4
Calendar Title: Special Topics 4.
Description:
Special topics seminar on Hispanic literature and culture. Topics may vary by year.
Symbols:
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 694
Credit Weight: 3
Transcript Title: Special Topics 5
Calendar Title: Special Topics 5.
Description:
Special topics seminar on Hispanic literature and culture. Topics may vary by year.
Symbols:
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 695
Credit Weight: 3
Transcript Title: Thesis Preparation 1
Calendar Title: Thesis Preparation 1.
Description:
Preparatory work towards the Master's thesis.
Symbols:
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 695D1
Credit Weight: 1.5
Transcript Title: Thesis Preparation 1
Calendar Title: Thesis Preparation 1.
Description:
Preparatory work towards the Master's thesis.
Notes:
Students must register for both HISP 695D1 and HISP 695D2. No credit will be given for this course unless both HISP 695D1 and HISP 695D2 are successfully completed in consecutive terms. HISP 695D1 and HISP 695D2 together are equivalent to HISP 695.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**HISP 695D2**  
**Credit Weight:** 1.5  
**Transcript Title:** Thesis Preparation 1  
**Calendar Title:** Thesis Preparation 1.  
**Description:**  
See HISP 695D1 for course description.  
**Notes:**  
Prerequisite: HISP 695D1  
No credit will be given for this course unless both HISP 695D1 and HISP 695D2 are successfully completed in consecutive terms. HISP 695D1 and HISP 695D2 together are equivalent to HISP 695.

**HISP 695N1**  
**Credit Weight:** 1.5  
**Transcript Title:** Thesis Preparation 1  
**Calendar Title:** Thesis Preparation 1.  
**Description:**  
Preparatory work towards the Master's thesis.  
**Notes:**  
Students must also register for HISP 695N2  
No credit will be given for this course unless both HISP 695N1 and HISP 695N2 are successfully completed in a twelve month period. HISP 695N1 and HISP 695N2 together are equivalent to HISP 695.

**HISP 695N2**  
**Credit Weight:** 1.5  
**Transcript Title:** Thesis Preparation 1  
**Calendar Title:** Thesis Preparation 1.  
**Description:**  
See HISP 695N1 for course description.  
**Notes:**  
Prerequisite: HISP 695N1  
No credit will be given for this course unless both HISP 695N1 and HISP 695N2 are successfully completed in a twelve month period. HISP 695N1 and HISP 695N2 together are equivalent to HISP 695.

**HISP 696**  
**Credit Weight:** 3  
**Transcript Title:** Thesis Preparation 2
Calendar Title: Thesis Preparation 2.
Description: Preparatory work towards the Master's thesis.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 697
Credit Weight: 21
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: Written presentation of the thesis to the research supervisor(s).
Notes: Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 697D1
Credit Weight: 10.5
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: Written presentation of the thesis to the research supervisor(s).
Notes: Students must register for both HISP 697D1 and HISP 697D2
No credit will be given for this course unless both HISP 697D1 and HISP 697D2 are successfully completed in consecutive terms
HISP 697D1 and HISP 697D2 together are equivalent to HISP 697
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 697D2
Credit Weight: 10.5
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: See HISP 697D1 for course description.
Notes: Prerequisite: HISP 697D1
No credit will be given for this course unless both HISP 697D1 and HISP 697D2 are successfully completed in consecutive terms
HISP 697D1 and HISP 697D2 together are equivalent to HISP 697
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 698
Credit Weight: 3
Transcript Title: Reading Course 1
Calendar Title: Reading Course 1.
Description: Supervised reading course. Topics chosen to suit individual interests.
Symbols: Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 701
Credit Weight: 0
Transcript Title: PhD Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description: Ph.D. Comprehensive examinations, both oral and written.
Notes: Restriction: Ph.D. students in the Department of Hispanic Studies only
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

HISP 713
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: Doctoral-level research seminar exploring a variety of research topics.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
HIST 194
Credit Weight: 3
Transcript Title: FYS: Jewish Concepts of Others
Calendar Title: FYS: Jewish Concepts of Others.
Description:
A survey, using translated primary and selected secondary sources, of the ways in which Jews represented Christians from late antiquity to the present. Legal, liturgical, literary and other sources are examined with the focus on the Medieval and Early Modern periods.
Notes:
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum 25 students.
For first year students only.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 195
Credit Weight: 3
Transcript Title: FYS: Sources of World History
Calendar Title: FYS: Sources of World History.
Description:
An introduction to the constitutive intellectual traditions of world history.
Notes:
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum 25 students
Restriction: For first year students only
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 197
Credit Weight: 3
Transcript Title: FYS: Race in Latin America
Calendar Title: FYS: Race in Latin America.
Description:
This seminar explores what it meant to be native, black, or white in Latin America from the colonial period to the present. It explores how conceptualisations of race and ethnicity shaped colonialism, social organisation, opportunities for mobility, visions of nationhood, and social movements.
Notes:
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum 25 students
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 198
Credit Weight: 3
Transcript Title: FYS: Nation Bldg&Nationalism
Calendar Title: FYS: Nation Building and Nationalism.
Description:
An introduction to some of the major theories of nationalism; an exploration of the many varieties of nationalism and forms of nation-building; a particular focus on the historical background to case studies of current interest.

Notes:
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them. Maximum 25 students

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 199
Credit Weight: 3
Transcript Title: FYS: History
Calendar Title: FYS: History.
Description:
An introduction to the discipline of history through an in-depth look at a selected topic.

Notes:
Restriction: Open only to newly admitted students in U0 and U1 who may take only one FYS. Students who register for more than one FYS will be obliged to withdraw from all but one. Maximum of 25 students.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 200
Credit Weight: 3
Transcript Title: Intro to African History
Calendar Title: Introduction to African History.
Description:
This course stresses the interactions of the peoples of Africa with each other and with the worlds of Europe and Islam from the Iron Age to the European Conquest in 1880.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 201
Credit Weight: 3
Transcript Title: Modern African History
Calendar Title: Modern African History.
Description:
While covering the general political history of Africa in the twentieth century, this course also explores such themes as health and disease, gender, and urbanization.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 202
Credit Weight: 3
Transcript Title: Survey: Canada to 1867
Calendar Title: Survey: Canada to 1867.
Description:
A survey of early Canada, from periods known mainly through archaeological records to the Confederation era. Social, cultural, economic and political themes will be examined.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 203
Credit Weight: 3
Transcript Title: Survey: Canada since 1867
Calendar Title: Survey: Canada since 1867.
Description:
A survey of the development of Canada from Confederation to the present day. Social, economic and political history will be examined in a general way.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 205
Credit Weight: 3
Transcript Title: Ancient Mediterranean History
Calendar Title: Ancient Mediterranean History.
Description:
An introduction to the history of the ancient Mediterranean world, focusing on Greek and Roman civilization.
Notes:
Restriction: Not open to students who have taken HIST 275.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 206
Credit Weight: 3
Transcript Title: Indian Ocean World History
Calendar Title: Indian Ocean World History.
Description:
An introduction to the global system connecting eastern Africa, the Middle East, South and Southeast Asia, and the Far East, from the earliest times to c. 1900.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 207
Credit Weight: 3
Transcript Title: Jewish History: 400 B.C.E. to 1000
Calendar Title: Jewish History: 400 B.C.E. to 1000.
Description:
An overview of Jewish history from the period of Ezra and Nehemiah to the death of
Hai Gaon, c. 1035. Focus on the experience of the Jews in Hellenistic and Islamic civilizations. Topics include Jewish sects, rabbinic literature in its various genres, the Karaite schism, and the rise of the Gaonate.

Notes:
Restrictions: Not open to students who have taken JWST 216
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 208
Credit Weight: 3
Transcript Title: Intro to East Asian History
Calendar Title: Introduction to East Asian History.
Description: An introduction to the history of East Asian civilization from earliest times to 1600, with emphasis on China and Japan, including social, intellectual, and economic developments as well as political history.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 209
Credit Weight: 3
Transcript Title: Intro to South Asian History
Calendar Title: Introduction to South Asian History.
Description: Charts the making of South Asian civilization, 2500 BCE-1707 CE, through a selection of key themes and major trends. Focus on the transformation of local kinship ties into regional kingdoms and empires, the evolution of religion and the legacy of the expansion of Islam and consequent rise of Turkish, Afghan and Mughal empires in this area.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 210
Credit Weight: 3
Transcript Title: Intro to Latin American Hist
Calendar Title: Introduction to Latin American History.
Description: Historical development of Latin America’s peoples through the pre-Columbian, colonial and national periods, c. 1300–2000. Introduces key historiographical debates of the subfield and emphasizes the interpretation of primary source texts (in translation).
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 211
Credit Weight: 3
Transcript Title: American History to 1865
Calendar Title: American History to 1865.
Description: Introduction to the history of colonial North America and the United States up to the Civil War, in their Atlantic context.
Notes:
Fall

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 212
Credit Weight: 3
Transcript Title: Medieval Europe
Calendar Title: Medieval Europe.
Description:
An introduction to the history and culture(s) of Europe in the Middle Ages.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 213
Credit Weight: 3
Transcript Title: World History, 600-2000
Calendar Title: World History, 600-2000.
Description:
A thematic and comparative approach to world history, beginning with the rise of Islam and ending with globalization in the late twentieth century. Trade diasporas, technology, disease, and imperialism are the major themes addressed.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 214
Credit Weight: 3
Transcript Title: Early Modern Europe
Calendar Title: Early Modern Europe.
Description:
Survey of European history from the Late Middle Ages to the eighteenth century.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 215
Credit Weight: 3
Transcript Title: Modern Europe
Calendar Title: Modern Europe.
Description:
Survey of European history from the eighteenth century to the present.

Notes:
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 216
Credit Weight: 3
Transcript Title: Intro to Russian History
Calendar Title: Introduction to Russian History.
Description:
The longue durée of Russian history from its origins in Kievan Rus and the Rurik
dynasty, through the Romanov dynasty, the Soviet period, and post-Soviet developments.

Notes:
Restrictions: Not open to students who have taken HIST 236.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 218
Credit Weight: 3
Transcript Title: Modern East Asian History
Calendar Title: Modern East Asian History.
Description:
An introduction to the history of China and Japan from the seventeenth century to the present, including modernization, nationalism, and the interaction of the two countries.

Notes:
Winter

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 219
Credit Weight: 3
Transcript Title: Jewish History: 1000-2000
Calendar Title: Jewish History: 1000 – 2000.
Description:
The Jewish experience from the rise of the European centres to the present.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 221
Credit Weight: 3
Transcript Title: United States since 1865
Calendar Title: United States since 1865.
Description:
Examines the defining moments and movements in the U.S. since Reconstruction, including populism, progressivism, the World Wars, the New Deal, the Cold War, the sixties and its consequences. Emphasis on the political, social and ideological transformations that ensued.

Notes:
Fall

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 222
Credit Weight: 3
Transcript Title: History of Pandemics
Calendar Title: History of Pandemics.
Description:
A regional perspective (based on responsible instructor) to explore relevant pandemics over the long term, introducing the broader historical trends and impacts. The hidden dynamics of social, cultural, legal, and intellectual history while also helping us cope with current and future pandemics reasonably and responsibly. While providing basic medical and epidemiological information, its
primary focus falls on the social and political contexts for--and responses
to--each pandemic covered.

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: History and Classical Studies  
**Status (catalog level)**: Active

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**HIST 223**  
**Credit Weight**: 3  
**Transcript Title**: Indigenous Peoples and Empires  
**Calendar Title**: Indigenous Peoples and Empires.  
**Description**:  
History of Indigenous Peoples of North and South America and their early experiences of European conquest and colonization, c. 1400 - 1800.

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: History and Classical Studies  
**Status (catalog level)**: Active

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**HIST 224**  
**Credit Weight**: 3  
**Transcript Title**: Intro to the African Diaspora  
**Calendar Title**: Introduction to the African Diaspora.  
**Description**:  
African history is global history. Introduction to African civilizations, starting in the medieval period, the emergence of proto-Black racial consciousness, colour/race prejudice and anti-blackness, institutions of resilience (such as spiritual systems and kinship networks), enslavement in North Africa, Mediterranean, Levant, Arabia, Indian Ocean, and Americas, and revolutionary resistance against racial tyranny.

**Notes**:  
Prerequisites: HIST 204 or consent of instructor

**Administering Faculty**: Faculty of Arts  
**Teaching Department**: History and Classical Studies  
**Status (catalog level)**: Active

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**HIST 226**  
**Credit Weight**: 3  
**Transcript Title**: E Central &SE Europe in 20th C  
**Calendar Title**: East Central and Southeastern Europe in 20th Century.  
**Description**:  
Introductory survey of east central and southeastern European history from the twilight of nineteenth-century imperialism to the most recent expansion of the European Union. Consideration will be given to the two world wars and their consequences; nationalism, fascism, and socialism; and the revolutions of 1989.

**Notes**:  
**Administering Faculty**: Faculty of Arts  
**Teaching Department**: History and Classical Studies  
**Status (catalog level)**: Active

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**HIST 238**  
**Credit Weight**: 3  
**Transcript Title**: Histories of Science  
**Calendar Title**: Histories of Science.  
**Description**:  
An introduction to the history of science, with attention to conceptual development and to institutional and social settings. Coverage will vary by instructor, but will include a range of periods (from antiquity to the 20th century), geographical settings, and themes (e.g. instrumentation; visualisation;
experiment; science and society).

Notes:
Coverage will vary by instructor.
Restriction: Not open to students who have taken HIST 239 or HIST 335.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 240
Credit Weight: 3
Transcript Title: Mod Hist of Islamic Movements
Calendar Title: Modern History of Islamic Movements.
Description:
Islamic revival in the Middle East which led to the rise of different versions of Islamic traditions and beliefs. Emphasis on the nature and character of leading nationalist and Islamic movements and their ideologues since the late 19th century.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 249
Credit Weight: 3
Transcript Title: Health&the Healer in West Hist
Calendar Title: Health and the Healer in Western History.
Description:
The natural history of health and disease and the development of the healing arts, from antiquity to the beginning of modern times. The rise of "western" medicine. Health and healing as gradually evolving aspects of society and culture.
Notes:
Note: Also available to first-year medical students in their options program.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 250
Credit Weight: 3
Transcript Title: Making Great Britain & Ireland
Calendar Title: Making Great Britain and Ireland.
Description:
Survey of the development of the multinational state in the British Isles and Ireland from antiquity to the seventeenth century revolutions. Emphasis on state making and ethnicity formation in England, Ireland, Scotland and Wales, as well as English overseas territories in Europe, Africa, and the Americas.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 262
Credit Weight: 3
Transcript Title: Medit & Euro Interconnections
Calendar Title: Mediterranean and European Interconnections.
Description:
Introduction to the cultural practices and political experiences that have shaped the Eastern Mediterranean and South-Eastern Europe examined diachronically. Topics addressed include empires and nations, religion, politics of memory and space,
archeology and historical legacies, migrations.

Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Not open to students who have taken HIST 462.
The course is composed of two to four interrelated seminars and includes field excursions. One section of 30 students maximum will be offered.
There is a fee of $3,300 (in 2018) for the McGill Summer Studies in Greece activity associated with registration in course HIST 262. The fee includes accommodation based on double room occupancy, meals, onsite visits, course packs and travel within Greece when associated with onsite visits. Students are responsible for their own travel arrangements and travel insurance costs.
Des frais spéciaux liés à l'activité d'Etudes estivales en Grèce de McGill d'un montant de $3,300 (en 2018) sont associés à l'inscription au cours HIST 262. Ces frais comportent l'hébergement sur la base d'une chambre double, les repas, les visites aux sites, les coursepacks et les frais de déplacement liés aux excursions/visites en Grèce. Les étudiants sont responsables pour leur propre le voyage vers et de Grèce ainsi que pour les coûts de leur assurance médicale et de rapatriement.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 275
Credit Weight: 3
Transcript Title: Ancient Roman History
Calendar Title: Ancient Roman History.
Description:
A survey of Roman history from the foundation of Rome to the fall of the Roman Empire.

Notes:
Restriction(s): Not open to students who have taken HIST 205.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 292
Credit Weight: 3
Transcript Title: History and the Environment
Calendar Title: History and the Environment.
Description:
Sketch of the history of the material aspects of human interaction with the rest of nature. Included will be a historian's view of the social, technical, and ecological implications of the great variety of activities devised by our species. Though global in outlook, this course will emphasize the relevant historiography of France, England and North America.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 298
Credit Weight: 3
Transcript Title: Topics in History
Calendar Title: Topics in History.
Description:
An introduction to a topic or theme in History.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
HIST 299
Credit Weight: 3
Transcript Title: The Historian's Craft
Calendar Title: The Historian's Craft.
Description: Introduction to the discipline of history. What is history? Where is history done? How is history done? Why do history? Historical writing is emphasized. Recommended for history majors.
Notes: Restrictions: Open to U0 or U1 students only, except by permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 300
Credit Weight: 3
Transcript Title: History of Law and Society
Calendar Title: History of Law and Society.
Description: The history of practices, ideas, philosophies of law in society, from Antiquity to the 21st century, including western and non-western legal traditions, in relation to property, crime and violence, slavery and liberty, constitutionalism and internationalism, and the environment.
Notes: Prerequisite: HIST 213 recommended
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 301
Credit Weight: 3
Transcript Title: U.S. Mass Media
Calendar Title: U.S. Mass Media.
Description: Surveys the history of American mass media. It covers the rise of various communications technologies and genres within national and transnational contexts and interrogates the relationship between media, politics, culture, identity, and power.
Notes: Prerequisite(s): HIST 211 or HIST 221 recommended
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 302
Credit Weight: 3
Transcript Title: IR History 1: 1750-1950
Calendar Title: International Relations History 1: 1750-1950.
Description: The history of international relations during the era of the four global wars, the expansion of the West in world affairs, the changes in the balance of power in Europe, the rise and fall of the colonial empires, and the ascendancy of the flank powers, Russia and the United States.
Notes:
Prerequisite(s): HIST 203, HIST 215, HIST 216, HIST 218, HIST 221 or HIST 226 recommended

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 303**

**Credit Weight:** 3

**Transcript Title:** History of Quebec

**Calendar Title:** History of Quebec.

**Description:**
Covering Quebec history from New France to contemporary times, this course will include themes like ethnic relations, citizenship, gender and material culture. It is of particular interest to students in Education who foresee teaching about Quebec.

**Notes:**
Prerequisite(s): HIST 202 or HIST 203 recommended
The ability to read French is helpful but not mandatory

** Administrating Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 304**

**Credit Weight:** 3

**Transcript Title:** IR History 2: Cold War

**Calendar Title:** International Relations History 2: Cold War.

**Description:**
The history of the Cold War. Special attention will be paid to the different viewpoints and experiences of the Cold War participants by studying the historiography and archival materials released in the Eastern Block and Western World.

**Notes:**
Prerequisite(s): HIST 203, HIST 215, HIST 216, HIST 218, HIST 221 or HIST 226 recommended

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 306**

**Credit Weight:** 3

**Transcript Title:** East Central Europe, 1944-2004

**Calendar Title:** East Central Europe, 1944-2004.

**Description:**
An examination of important problems in the postwar history of east central Europe. Topics include: the establishment of Communist regimes; Stalinism and de-Stalinization; everyday life under Communism; the Hungarian Revolution of 1956, the Prague Spring, and Solidarity; political opposition; culture; and the revolutions of 1989.

**Notes:**
Prerequisite: HIST 226 or HIST 215 recommended

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 307**

**Credit Weight:** 3
Transcript Title: Jews in Poland  
Calendar Title: Jews in Poland.  
Description:  
Analyses of primary sources (in translation) related to the social, economic and institutional history of the Jews in Poland and their place in the East European Jewish community. Topics include: the Jews during "The Flood" (1648 - 1667), the communal crisis of the late 17th century, the Frankist movement, and Hasidism.  
Notes:  
Prerequisite(s): HIST 207, HIST 219, HIST 226, HIST 216, or HIST 215 recommended  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 308  
Credit Weight: 3  
Transcript Title: Formation of Chinese Tradition  
Calendar Title: Formation of Chinese Tradition.  
Description:  
An examination of the multiple sources of the Chinese imperial system from the period of the neolithic culture interaction sphere to the fall of the Han dynasty in 220 C.E. Special attention is paid to socio-economic developments as well as to the evolution of philosophy, ideology, and social practice. The sequel to this course is HIST 358.  
Notes:  
Prerequisite: HIST 208 recommended  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 309  
Credit Weight: 3  
Transcript Title: Hist of Latin America to 1825  
Calendar Title: History of Latin America to 1825.  
Description:  
The social, cultural, and economic aspects of Latin America and the Caribbean in the colonial period and the transition to independence.  
Notes:  
Prerequisite: HIST 210 or HIST 213 recommended  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 310  
Credit Weight: 3  
Transcript Title: Themes in European History  
Calendar Title: Themes in European History.  
Description:  
Exploration of a theme in the history of Europe. Topics vary from year to year.  
Notes:  
Prerequisite(s): HIST 207, HIST 214, HIST 215, HIST 226, HIST 249, HIST 250, or HIST 219 recommended.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 312
Credit Weight: 3
Transcript Title: Hist of Consumption in Canada
Calendar Title: History of Consumption in Canada.
Description: History of consumption in Canada since 1600 in relation to subsistence and the early market; modern class and gender relationships; conceptions of citizenship.
Notes: Prerequisite: HIST 202 or HIST 203 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 313
Credit Weight: 3
Transcript Title: Habsburg Monarchy, 1618-1918
Calendar Title: Habsburg Monarchy, 1618-1918.
Description: History of the central European Habsburg Monarchy from its consolidation in the Thirty Years' War to its demise in the Great War. Topics include: counter-Reformation and the baroque, enlightened absolutism, the partitions of Poland, the revolutions of 1848, the rise of nationalism, and fin-de-siècle society and culture.
Notes: Prerequisite(s): HIST 214 or HIST 215 or HIST 226 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 314
Credit Weight: 3
Transcript Title: Themes: British Isles History
Calendar Title: Themes: British Isles History.
Description: Exploration of a theme in British Isles history.
Notes: Topics will vary from year to year.
Prerequisite(s): HIST 214, HIST 215 or HIST 250 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 315
Credit Weight: 3
Transcript Title: Themes in World History
Calendar Title: Themes in World History.
Description: Historical phenomena that transcend the boundaries of nation-status and contributed to the long-term development of globalization.
Notes: Prerequisite: HIST 213 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 316
Credit Weight: 3
Transcript Title: History of the Russian Empire
Calendar Title: History of the Russian Empire.

Description:
History of the Russian empire from its formal proclamation by Peter the Great to its eventual collapse in 1917; the rise of the Romanov dynasty, imperial conquest, and the dynamics of imperial Russian society, and the revolutions of 1905 and 1917.

Notes:
Prerequisite(s): HIST 214 or HIST 215 or HIST 216 recommended.

Administering Faculty: Faculty of Arts

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 317

Credit Weight: 3
Transcript Title: Themes in Indian Ocean World History
Calendar Title: Themes in Indian Ocean World History.

Description:
Examination of a selected theme or topic in the history of the Indian Ocean World.

Notes:
Prerequisite: HIST 200, HIST 201, HIST 206, HIST 208, HIST 209 or HIST 218 recommended.

Administering Faculty: Faculty of Arts

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 319

Credit Weight: 3
Transcript Title: The Scientific Revolution
Calendar Title: The Scientific Revolution.

Description:
The intellectual and cultural history of science and technology, in Europe and in the wider world, from the time of Leonardo to the time of Newton (c. 1500-c.1700).

Notes:
Prerequisite(s): HIST 212, HIST 214, HIST 215, HIST 216, HIST 226, HIST 238, HIST 249 or HIST 250 recommended.

Administering Faculty: Faculty of Arts

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 320

Credit Weight: 3
Transcript Title: Themes in Intellectual History
Calendar Title: Themes in Intellectual History.

Description:
Examination of a selected theme or subject in intellectual history and/or the history of ideas.

Notes:
Prerequisite(s): HIST 200, HIST 201, HIST 202, HIST 203, HIST 205, HIST 206, HIST 207, HIST 209, HIST 210, HIST 211, HIST 212, HIST 213, HIST 214, HIST 215, HIST 216, HIST 219, HIST 221, HIST 223, HIST 226, HIST 238, HIST 240, HIST 249, HIST 250, HIST 262, or HIST 275 recommended.

Administering Faculty: Faculty of Arts

Teaching Department: History and Classical Studies

Status (catalog level): Active
HIST 323
Credit Weight: 3
Transcript Title: History and Sexuality 1
Calendar Title: History and Sexuality 1.
Description: Antiquity to Early Modern Europe. The cultural meanings and social institutions that create the historical context for sexual behaviours. Possible topics include: Greek homosocial and homosexual culture; sex and citizenship; wives and concubines in the ancient world; Christianity and aestheticism; misogyny and gender in Medieval Europe; adultery and lineage.
Notes: Prerequisite(s): HIST 205, HIST 212, HIST 214, HIST 249, HIST 275 or HIST 250 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 324
Credit Weight: 3
Transcript Title: Indigenous IDs & Nationhood
Calendar Title: Indigenous Identities and Nationhood.
Description: This course examines themes in Indigenous history with a particular focus on Indigenous identity formation, articulation, and nationhood. It exposes students to an advanced understanding of the ways in which Indigenous peoples have historically identified themselves and activated their sense of nationhood.
Notes: Prerequisite: HIST 223 or INDG 200 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 325
Credit Weight: 3
Transcript Title: Renaissance-Reformation Europe
Calendar Title: Renaissance-Reformation Europe.
Description: An examination of Western Europe from the late 14th to the end of the 16th century. Topics will include the Renaissance, in and outside Italy, the Reformation, the religious wars of the 16th century and the Scientific Revolution.
Notes: Prerequisite: HIST 214 or HIST 212 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 326
Credit Weight: 3
Transcript Title: History of the Soviet Union
Calendar Title: History of the Soviet Union.
Description: The history of the Soviet Union from 1917-1991, examining its origins in the collapse of autocracy, early Soviet utopianism, the rise of Stalin, the Second World War, Khrushchev’s reforms, the Cold War and the decline and eventual
collapse of the USSR, as well as its legacies in the post-Soviet period.

Notes:
Prerequisite: HIST 213 or HIST 215 or HIST 216 or HIST 226 or HIST 316 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 327
Credit Weight: 3
Transcript Title: Age of the American Revolution
Calendar Title: Age of the American Revolution.
Description:
Analyzes the origins, contingencies, and outcomes of the American Revolution. Spanning the decades from the 1760s to 1820s, it also seeks to place the Revolution in an Atlantic-wide context and to offer a foundation for studying American institutions.

Notes:
Prerequisite: HIST 211 or HIST 221 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 328
Credit Weight: 3
Transcript Title: Themes in Modern Chinese Hist
Calendar Title: Themes in Modern Chinese History.
Description:
Exploration of a theme in Modern Chinese history.

Notes:
Prerequisite: HIST218 is recommended.
Topic may vary from year to year.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 329
Credit Weight: 3
Transcript Title: History of Yugoslavia
Calendar Title: History of Yugoslavia.
Description:
Origins of the Yugoslav idea in 19th-century national movements; the rise and fall of the interwar Kingdom of Serbs, Croats, and Slovenes; occupation, ethnic cleansing, and partisan warfare during WWII; the evolution of Titoist rule and the interplay between Communism and nationalism; and the violent fragmentation of Yugoslavia after 1989.

Notes:
Prerequisite(s): HIST 215, HIST 226, HIST 262, or HIST 198 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 330
Credit Weight: 3
Transcript Title: Themes in Canadian History
Calendar Title: Themes in Canadian History.
Description:
Exploration of a theme in Canadian history.

Notes:
Prerequisite(s): HIST 202, HIST 203 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 331
Credit Weight: 3
Transcript Title: The U.S. Between the Wars
Calendar Title: The United States Between the Wars.
Description:
The history of the United States from the Great War to the end of the 1940s. Social change and conflict, political conservatism, economic prosperity and the culture of consumption during the 1920s; the consequences of the Great Depression and the New Deal.
Notes:
Prerequisite: HIST 211 or HIST 221 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 332
Credit Weight: 3
Transcript Title: Women in Europe, 1350-1700
Calendar Title: Women in Europe, 1350-1700.
Description:
An introduction to concepts of women and the realities of women's lives in western Europe from the Black Death to ca. 1700. Topics will include marriage and the family, female education and literacy, varieties of spirituality and the emergence of a proto-feminism during the Renaissance.
Notes:
Prerequisite: HIST 214 or HIST 212 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 333
Credit Weight: 3
Transcript Title: Indigenous Peoples & French
Calendar Title: Indigenous Peoples and French.
Description:
Encounters between Indigenous Peoples and French newcomers in Canada and other parts of North America, 16th - 18th century. Through an examination of exploration, Catholic missions, trade, military alliances and colonization, the course focuses on the motives, outlooks and actions of both Indigenous Peoples and Europeans.
Notes:
Prerequisite(s): HIST 202, HIST 214, or HIST 223 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 334
Credit Weight: 3
Transcript Title: History of New France
Calendar Title: History of New France.
Description:
Social, political, and cultural history of France's ancien régime settlement colonies in North America. Topics include the nature of the absolutist colonial state and French imperialism; society; family; the Church; gender; and religion.
Notes:
Prerequisite(s): HIST 202 or HIST 214 recommended.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 335
Credit Weight: 3
Transcript Title: Science and Medicine in Canada
Calendar Title: Science and Medicine in Canada.
Description:
The social and intellectual history of science and medicine in Canada, from early exploration, through the rise of learned societies, universities and professional organizations, to World War II.
Notes:
Prerequisite: HIST 202 or HIST 203 recommended.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 336
Credit Weight: 3
Transcript Title: France, 1789 to 1914
Calendar Title: France, 1789 to 1914.
Description:
A study of the history of France from the Revolution to World War I.
Notes:
Prerequisite: HIST 214 or HIST 215 recommended.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 338
Credit Weight: 3
Transcript Title: Twentieth-Century China
Calendar Title: Twentieth-Century China.
Description:
Examines 20th Century China from the fall of the Qing, through Republican China, the emergence of communism, war with Japan, revolution and civil war, the Cultural Revolution, and later economic reforms.
Notes:
Prerequisite: HIST 218 recommended.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 340
Credit Weight: 3
Transcript Title: History of Modern Egypt
Calendar Title: History of Modern Egypt.
Description:
Explores the history of Egypt from the 18th Century to today. Topics include: Ottoman Egypt, the impact of French and British Colonialism, Nasserism, Camp David and economic liberalization, and the Egyptian Revolution of 2011.

Notes:
Prerequisite(s): HIST 201, HIST 240 or ISLA 210 recommended.
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 341
Credit Weight: 3
Transcript Title: Themes in South Asian History
Calendar Title: Themes in South Asian History.
Description: Exploration of a theme in the history of South Asia.
Notes: Prerequisite: HIST 209 recommended.
Themes may vary from year to year.
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 342
Credit Weight: 3
Transcript Title: Canada and the World
Calendar Title: Canada and the World.
Description: Examines the historical development of Canada and the World from 1867 to the present. Particular emphasis will be placed on key themes in the history of Canada's international relations including imperialism and race. Attention will also be paid to major global developments such as wars, peace-making and international governance. The course will consider traditional inter-state relations as well as international relations from a non-governmental, grassroots perspective to include migration, development and humanitarianism.
Notes: Prerequisite(s): HIST 202 or HIST 203 recommended.
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 343
Credit Weight: 3
Transcript Title: Women in Post-Confed Canada
Calendar Title: Women in Post-Confederation Canada.
Description: This course examines women's contribution to the economic and social development of Canada as well as the changes in the image and status of women. Special emphasis will be on the relationship between women's roles in the private sphere and the public domain.
Notes: Prerequisite: HIST 203 recommended.
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 344
Credit Weight: 3
Transcript Title: The Chinese Family in History
Calendar Title: The Chinese Family in History.
Description:
Exploration of the Chinese family in history both as an institution - in its religious, legal, economic, political aspects - and as a lived reality.
Notes:
Prerequisite(s): HIST 208, HIST 218 or EAST 211 recommended.
Restriction: Not open to students who have taken or are taking EAST 390.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 345
Credit Weight: 3
Transcript Title: Hist of Italian Renaissance
Calendar Title: History of Italian Renaissance.
Description:
An introduction to the economy, society, politics and intellectual developments in Italy from approximately 1300 to the early 16th century.
Notes:
Prerequisite(s): HIST 212 or HIST 214 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 346
Credit Weight: 3
Transcript Title: France, 1914 to the Present
Calendar Title: France, 1914 to the Present.
Description:
A study of the history of France from World War I to the present.
Notes:
Prerequisite(s): HIST 214 or HIST 215 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 347
Credit Weight: 3
Transcript Title: History and Sexuality 2
Calendar Title: History and Sexuality 2.
Description:
1700 to the present, with a particular focus on Europe and North America. Possible topics include: patterns of fertility and sexual practice; prostitution; religion and sexuality; the medical and legal construction of sexualities; the rise of sexology; gay liberation movements; queer politics.
Notes:
Prerequisite(s): HIST 211, HIST 215 or HIST 221 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 349
Credit Weight: 3
Transcript Title: Greece: From Ottoman to the EU
Calendar Title: Greece: From Ottoman to the European Union.
Description:
Examines the emergence of a modern nation state in the Balkans out of the Ottoman empire and its evolution until its present status as a member state of the European Union. A story of Greece and Greeks within the broader regional and global context.
Notes:
Prerequisite(s): HIST 214, HIST 215, HIST 226 or HIST 262 recommended.
2-3 film screenings held in a continuous 3-hour slot.
Screenings will replace lecture hours the week of screenings.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 350
Credit Weight: 3
Transcript Title: Science and the Enlightenment
Calendar Title: Science and the Enlightenment.
Description:
Explores the relationship between the natural sciences and the eighteenth-century Enlightenment. Examination of works in post-Newtonian science as well as their broader cultural meaning, the history of material practices, the origins of social science, and the role of geography and international context beyond Western Europe.
Notes:
Prerequisite(s): HIST 214, HIST 215 or HIST 238 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 351
Credit Weight: 3
Transcript Title: Themes in U.S. History since 1865
Calendar Title: Themes in U.S. History since 1865.
Description:
Aspects of American history from the gilded Age through the Cold War era.
Notes:
Prerequisite: HIST 211 or HIST 221 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 352
Credit Weight: 3
Transcript Title: African Diaspora Post-Emancipation
Calendar Title: African Diaspora Post-Emancipation.
Description:
Exploration of the ways that diasporic Africans in the Atlantic World imagined freedom after European empires nominally abolished chattel enslavement in the mid-nineteenth century, including resistance, migrations, mass social movements, trans-Atlantic organizing, as well as imperialism, colonialism, and neo-colonialism from the nineteenth century to the contemporary period.
Notes:
HIST 224 is recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 353
Credit Weight: 3
Transcript Title: History of Montreal
Calendar Title: History of Montreal.
Description: The history of Montreal from its beginnings to the present day. Montreal's economic, social, cultural and political role within the French and British empires, North America, Canada, and Quebec; the city's linguistic and ethnic diversity.
Notes: Prerequisite: HIST 202 or HIST 203 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 354
Credit Weight: 3
Transcript Title: Women in Europe 1700-2000
Calendar Title: Women in Europe 1700-2000.
Description: An overview of the history of women in modern continental Europe, focusing on women's changing roles in the family and society at large, in the context of work, family life, education, and culture, and the changing notions of citizenship, femininity, and masculinity.
Notes: Prerequisite(s): HIST 214, HIST 215 or HIST 226 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 356
Credit Weight: 3
Transcript Title: Medicine in the Medieval West
Calendar Title: Medicine in the Medieval West.
Description: The history of ideas about the human body, disease and therapeutics and the diverse practices of medicine in western Europe in the Middle Ages (ca. AD 300-1500), with particular attention to their social, intellectual, cultural and religious context.
Notes: Winter
Prerequisite(s): HIST 212, HIST 214 or HIST 249 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 357
Credit Weight: 3
Transcript Title: Cultural Diversity in Canada
Calendar Title: Cultural Diversity in Canada.
Description: Selected topics in cultural diversity, society and the state in 19th, 20th and/or 21st centuries will be explored through discussion of primary and secondary historical sources.
Notes:
Prerequisite: HIST 202 or HIST 203 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 358
Credit Weight: 3
Transcript Title: China's Middle Empires
Calendar Title: China's Middle Empires.
Description:
Developments of China's middle empires, ca. 600-1300 CE. Studies changing international relations, rapid commercialization, religious developments, the rise of the civil service examination system, and ensuing social change.
Notes:
Prerequisite: HIST 208 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 360
Credit Weight: 3
Transcript Title: Latin America since 1825
Calendar Title: Latin America since 1825.
Description:
Themes in the political, economic, and social development of Latin America since the wars of independence.
Notes:
Prerequisite: HIST 210 or HIST 213 recommended

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 361
Credit Weight: 3
Transcript Title: Topics in Cdn Regional History
Calendar Title: Topics in Canadian Regional History.
Description:
Topics in Canadian regional history. Topics will vary by year.
Notes:
Prerequisite: HIST 202 or HIST 203 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 362
Credit Weight: 3
Transcript Title: Byzantine Hist&Historiography
Calendar Title: Byzantine History and Historiography.
Description:
Examines the political, social, cultural, and economic aspects of the 1000-year story of the Eastern Roman Empire, also known as the Byzantine empire, as well as its posterity.
Notes:
Prerequisite(s): HIST 205, HIST 212 or HIST 275 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 363
Credit Weight: 3
Transcript Title: Canada 1870-1914
Calendar Title: Canada 1870-1914.
Description:
This course will examine social, economic, political and cultural aspects of Canadian society between 1870 and 1914. Topics covered will include aboriginal peoples, European settlement of the West, provincial rights, the national policy, social reform movements, industrialization, immigration and the rise of cities.
Notes:
Prerequisite(s): HIST 202 and HIST 203 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 364
Credit Weight: 3
Transcript Title: Canada 1914-1945
Calendar Title: Canada 1914-1945.
Description:
This course will examine Canada and Canadian society between 1914 and 1945. It will focus on the social, political, economic and cultural impact of the two World Wars and the economic crisis of the 1930s. Among the topics will be Canadian external relations, political and social protest, popular culture, demographic changes and prohibition.
Notes:
Prerequisite(s): HIST 202 and HIST 203 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 365
Credit Weight: 3
Transcript Title: China's Early Empires
Calendar Title: China's Early Empires.
Description:
Considers China's early imperial period, from ca. 300 BCE to ca. 100 CE, including changing political, social, and economic institutions, court and intellectual life, population management, foreign relations, urban transformations, and textual and material culture. Introduction to the major historiographical sources covering the period, and to newly excavated texts, artifacts, and sites.
Notes:
Prerequisite: HIST 208 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 366
Credit Weight: 3
Transcript Title: Themes in Latin American Hist
Calendar Title: Themes in Latin American History.
Description:
Exploration of a specific topic in the history of Latin America and the Caribbean,
1492 to the present.

Notes:
Prerequisite: HIST 210 or HIST 213 recommended.
Note: Topics will vary from year to year.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 367
Credit Weight: 3
Transcript Title: Canada since 1945
Calendar Title: Canada since 1945.
Description:
Elements of Canada's political, social, economic, and cultural history since World War II. Topics will include constitutional questions, gender and class issues, the role of the state, regionalism, consumer society, the Quiet Revolution, and nationalism in Canada.
Notes:
Prerequisite(s): HIST 203 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 368
Credit Weight: 3
Transcript Title: Greek Hist: Classical Period
Calendar Title: Greek History: Classical Period.
Description:
The Classical period of Greek history, from the end of the Persian wars to the death of Alexandra the Great (479-323 BC).
Notes:
Prerequisite(s): HIST 205, CLAS 201 or CLAS 203 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 369
Credit Weight: 3
Transcript Title: Greek History: Early Greece
Calendar Title: Greek History: Early Greece.
Description:
Historical study of the period from the Mycenean Age to the end of the Archaic Age.
Notes:
Prerequisite(s): HIST 205, CLAS 201 or CLAS 203 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 370
Credit Weight: 3
Transcript Title: Topics: Cdn Political History
Calendar Title: Topics: Canadian Political History.
Description:
Explores a topic related to the political history of Canada.
Notes:
Prerequisite(s): HIST 202 or HIST 203 recommended.
Topics vary from year to year.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 371**  
**Credit Weight:** 3  
**Transcript Title:** American Civ. Rights 1877-1940  
**Calendar Title:** American Civil Rights 1877-1940.  
**Description:**  
The social, economic, political, and constitutional history of citizenship and civil rights in the United States from the end of Reconstruction through the 1930s. Emphasis on segregation and disfranchisement; immigration restrictions, americanization and national identities; civil rights movements and organizations; women's suffrage; voting rights and representation.  
**Notes:**  
Prerequisite: HIST 211 or HIST 221 recommended.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 372**  
**Credit Weight:** 3  
**Transcript Title:** Themes in Medieval History  
**Calendar Title:** Themes in Medieval History.  
**Description:**  
Explores various aspects of the Middle Ages through thematic approaches. Examines specific issues such as gender, intercultural relations, trade and commerce, diplomatic history, urban development, or religious development in the medieval period, through a variety of sources, including narrative and archival documents, archaeological data, and material culture. Historical methodology in relation to the study of the Middle Ages is emphasized. Topics vary by year.  
**Notes:**  
Prerequisite: HIST 212 or HIST 214 recommended.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 373**  
**Credit Weight:** 3  
**Transcript Title:** Canadian Labour History  
**Calendar Title:** Canadian Labour History.  
**Description:**  
This course explores themes in labour and working class history in Canada.  
**Notes:**  
Prerequisite: HIST 203 recommended.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 374**  
**Credit Weight:** 3  
**Transcript Title:** History of Sexuality in Canada  
**Calendar Title:** History of Sexuality in Canada.  
**Description:**  
Sexuality as theory, culture, and historical experience in Canada from early
contact period to the present. Chronological and thematic format. Topics include fertility and its control, prostitution and pornography, sexual repression and liberation in medicine and politics, queer theory and economies of pleasure.

**Notes:**
Prerequisite(s): HIST 202 or HIST 203 recommended.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 375**

**Credit Weight:** 3

**Transcript Title:** Rome: Republic to Empire

**Calendar Title:** Rome: Republic to Empire.

**Description:**
Roman history from the Gracchi to the death of the emperor Nero, 133 BCE to 68 CE. The collapse of the Roman republic, the reorganization of the Roman state under Augustus, and the Roman empire and society under the early emperors.

**Notes:**
Prerequisite(s): HIST 205, HIST 275, HIST 207 or CLAS 201 recommended.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 376**

**Credit Weight:** 3

**Transcript Title:** Fall of the Roman Empire

**Calendar Title:** Fall of the Roman Empire.

**Description:**
Transformation of the Roman world, 1st-7th CE. Considers various perspectives and narratives of the decline and fall of the Roman Empire based on historical and material evidence.

**Notes:**
Prerequisite: HIST 205, HIST 275, HIST 212 or CLAS 201 recommended.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 377**

**Credit Weight:** 3

**Transcript Title:** The United States, 1940-1965

**Calendar Title:** The United States, 1940-1965.

**Description:**
Major events in politics and international affairs, culture and society, and the economy in the U.S. during and after World War II. Topics include: The War and American society; the first years of the Cold War; economic prosperity and social change; the civil rights movement; Vietnam to 1965.

**Notes:**
Prerequisite: any course in U.S. history or consent of instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 380**

**Credit Weight:** 3

**Transcript Title:** The Medieval Mediterranean

**Calendar Title:** The Medieval Mediterranean.

**Description:**
Thematic history of the Mediterranean during the Medieval period, covering elements of Latin, Byzantine and Islamic civilizations and their interactions.

Notes:
Prerequisite: HIST 212, HIST 214 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 381
Credit Weight: 3
Transcript Title: Colonial Africa
Calendar Title: Colonial Africa.
Description:
An overview of the history of foreign intervention and anticolonial resistance in 19th and 20th century Africa. Topics include: theories of colonialism, the scramble for Africa, colonialism and disease, indirect rule, labour, nationalism and resistance, and changing gender roles.

Notes:
Prerequisite(s): HIST 200, HIST 201, HIST 206 or AFRI 200 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 382
Credit Weight: 3
Transcript Title: History of South Africa
Calendar Title: History of South Africa.
Description:
History of South Africa from precolonial times to the present. Topics include: precolonial societies; British and Dutch colonialism; slavery in colonial South Africa; the Zulu kingdom; mining capitalism; the Boer War; Afrikaner nationalism; apartheid; the anti-apartheid struggle; music, religion, and art; challenges of the post-apartheid state.

Notes:
Prerequisite(s): HIST 200, HIST 201, HIST 206 or AFRI 200 recommended.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 383
Credit Weight: 3
Transcript Title: Eighteenth-Century Britain
Calendar Title: Eighteenth-Century Britain.
Description:
Cultural, intellectual, political, economic and social history of Britain and Ireland in the eighteenth century; the era of the creation of the United Kingdom and the rise of a great commercial and imperial power.

Notes:
Prerequisite: HIST 215 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 384
Credit Weight: 3
Transcript Title: Nineteenth-Century Britain
Calendar Title: Nineteenth-Century Britain.
Description: Cultural, intellectual, political, economic and social history of Britain and Ireland in an era of unprecedented economic and cultural change as the United Kingdom became the world's first industrial nation and leading imperial power.
Notes: Prerequisite: HIST 215 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 386
Credit Weight: 3
Transcript Title: Twentieth-Century Britain
Calendar Title: Twentieth-Century Britain.
Description: From a range of perspectives, including cultural, intellectual, political, economic and social history, this course examines Britain from the height of its power, through two world wars, the building of a welfare state, the dissolution of Empire and entry into Europe, to the start of the 21st century. Consensus, decolonisation, immigration, culture and society, Northern Ireland, Scottish and Welsh nationalism, Thatcherism, the European Union.
Notes: Prerequisite: HIST 215 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 387
Credit Weight: 3
Transcript Title: The First World War
Calendar Title: The First World War.
Description: A world-wide political, social, economic, cultural and military survey, from the origins of the Great War to the Treaty of Versailles.
Notes: Prerequisite(s): HIST 203, HIST 215, HIST 216, HIST 221 or HIST 226 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 388
Credit Weight: 3
Transcript Title: The Second World War
Calendar Title: The Second World War.
Description: A world-wide political, social, economic, cultural and military survey, from the Treaty of Versailles to the first years of the Cold War.
Notes: Prerequisite(s): HIST 203, HIST 215, HIST 216, HIST 221 or HIST 226 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 389
Credit Weight: 3
Transcript Title: Topics: African Country Survey
Calendar Title: Topics: African Country Survey.
Description:
In depth survey of a single African country (other than South Africa), including
the pre-colonial history of the region, colonialism, and post-colonial economic,
cultural and political history.
Notes:
Prerequisite(s): HIST 200, HIST 201, HIST 206 or AFRI 200 recommended.
Country will vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 390
Credit Weight: 3
Transcript Title: Eighteenth-Century France
Calendar Title: Eighteenth-Century France.
Description:
The political, social, and cultural history of France, from the accession of Louis
XV (1715) to the rise of Napoleon (1799), including the French Revolution.
Notes:
A reading knowledge of French is highly recommended.
Prerequisite: HIST 214 or HIST 215 or HIST 225 or permission of Instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 391
Credit Weight: 3
Transcript Title: Rise of Rome
Calendar Title: Rise of Rome.
Description:
Rome's rise from city-state to world power, 338 - 133 BCE, the nature Roman
conquest, and the impact of empire on Roman society.
Notes:
Prerequisite(s): HIST 205, HIST 275, HIST 207 or CLAS 201 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 392
Credit Weight: 3
Transcript Title: The United States since 1965
Calendar Title: The United States since 1965.
Description:
Major events in politics and international affairs, culture and society, and
economy in the U.S. since 1965. Topics include: social and political upheaval 1965
- 1975; Vietnam to 1975; conservative politics; Nixon and Watergate; economic
change in the 1970s and 1980s; presidential leadership from Carter on.
Notes:
Prerequisite: HIST 211 or HIST 221 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 393
Credit Weight: 3
Transcript Title: Civil War and Reconstruction
Calendar Title: Civil War and Reconstruction.
Description:
The causes of the American Civil War; the social, economic, political and military forces that shaped the conflict, attempts to restructure race relations, Southern and American societies after the war.
Notes:
Prerequisite: HIST 211 or HIST 221 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 394
Credit Weight: 3
Transcript Title: British Revolutions 1603-1714
Calendar Title: British Revolutions 1603-1714.
Description:
English, Scottish and Irish history during the seventeenth and early eighteenth centuries, with a particular focus on the origins and consequences of the regicideal revolution of 1649 and the glorious revolution of 1688.
Notes:
Prerequisite: HIST 214 or HIST 250 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 397
Credit Weight: 3
Transcript Title: Canada: Ethnicity, Migration
Calendar Title: Canada: Ethnicity, Migration.
Description:
Immigration, ethnicity and race in Canada in the nineteenth and twentieth centuries. Topics will include the migration process, government policy and legislation, urban and rural migration, acculturation, nativism and multiculturalism.
Notes:
Prerequisite: HIST 203 recommended
Restriction: Not open to students who have taken HIST 423
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 398
Credit Weight: 3
Transcript Title: Topics in Italian History
Calendar Title: Topics in Italian History.
Description:
Topics in Italian history. Topic varies by year.
Notes:
Prerequisite: HIST 214 or HIST 212 recommended.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 399
Credit Weight: 3
Transcript Title: History and Historiography
Calendar Title: History and Historiography.
Description:
The nature and functions of history; changing conceptions of time and of the past; approaches to historical evidence; methods of reconstructing the past; how the discipline of history has changed over time.
Notes:
Prerequisite: 6 credits of History
Restrictions: History Honours or Joint Honours Program students only, unless permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 400
Credit Weight: 3
Transcript Title: Ancient Greece, Rome and China
Calendar Title: Ancient Greece, Rome and China.
Description:
A comparative analysis of the political cultures of ancient Greece, Rome and China, c. 500 BCE to 500 CE, exploring societal distinctions through topics such as the role of historical traditions, power configurations, public oratory, elite representation, funerary rites and political spaces.
Notes:
Prerequisite: ARLE 101 or HIST 205 or HIST 208 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 401
Credit Weight: 3
Transcript Title: Topics: Medieval Culture & Society
Calendar Title: Topics: Medieval Culture and Society.
Description:
Selected topics in the intellectual and cultural history of the Middle Ages. Emphasis on modern critical approaches to medieval culture, including literature, the supernatural, religious experience.
Notes:
Prerequisite: HIST 214 or HIST 380 or consent of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 404
Credit Weight: 3
Transcript Title: The History of Confucius
Calendar Title: The History of Confucius.
Description:
Confucius is inseparable from the idea of China or even East Asia. This course will unpack the manifold legacies of Confucius and his classics in pre-imperial, imperial, and modern China.
Notes:
Prerequisites: HIST 208 or HIST 218 or EAST 211 or permission of the instructor
Restriction(s): Not open to students who have taken EAST 490.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 405
Credit Weight: 3
Transcript Title: Topics in Intellectual History
Calendar Title: Topics in Intellectual History.
Description:
In depth analysis of a selected subject or topic in intellectual history and/or the history of ideas.
Notes:
Prerequisites: HIST 320 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 406
Credit Weight: 3
Transcript Title: Topics: Russian History
Calendar Title: Topics: Russian History.
Description:
Examination of a selected topic in Russian history from the reign of Peter the Great to the present time.
Notes:
Prerequisite: A prior course in Russian or European history

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 407
Credit Weight: 3
Transcript Title: Topics in Ancient History
Calendar Title: Topics in Ancient History.
Description:
An in-depth look at various topics in ancient history.
Notes:
Prerequisite: 3 credits in Ancient history at the 300-level or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 408
Credit Weight: 3
Transcript Title: Sel Topics: Indigenous History
Calendar Title: Selected Topics in Indigenous History.
Description:
Selected topics in Indigenous history.
Notes:
Prerequisite: HIST 223
Topics will vary from year to year.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 409
Credit Weight: 3
Transcript Title: Topics in Latin American Hist
Calendar Title: Topics in Latin American History.
Description:
In-depth discussion and research on a circumscribed topic in the history of Latin America and the Caribbean, 1492 to the present.
Notes:
Prerequisites: HIST 210, HIST 309, HIST 360, HIST 366 or permission of instructor.
Note: Topics will vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 410
Credit Weight: 3
Transcript Title: Topics in History of Science
Calendar Title: Topics in History of Science.
Description:
Specific theme in the history of science, such as scientific instruments, experimental practices, uses of the body, knowledge and museums, scientific institutions, or science and empire.
Notes:
Prerequisite: A prior course on history of science or HPSC 300 or permission of Instructor.
Restriction(s): Not open to U0 or U1 students
Themes (and/or periods) vary year to year.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 411
Credit Weight: 3
Transcript Title: Topics in African History
Calendar Title: Topics in African History.
Description:
In depth examination of a specific topic or individual in African or African diasporic history.
Notes:
Prerequisite: A previous course in African history or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 412
Credit Weight: 3
Transcript Title: Women & Gender in Modern Britain
Calendar Title: Women and Gender in Modern Britain.
Description:
Women and gender in modern Britain (1850 on). Topics include early feminist political agitation, including the suffrage movement; working-class women; changing notions of gender, sexuality and women's role; women and empire.
Notes:
Prerequisite: HIST 215 or a course in British history or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 417
Credit Weight: 3
Transcript Title: British and Irish Nationalisms
Calendar Title: British and Irish Nationalisms.
Description: The history of Irish, Scottish, Welsh and English nationalisms in the British context from 1688 to the present.
Notes: Prerequisite: A course in modern British history or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 418
Credit Weight: 3
Transcript Title: Topics: Atlantic World
Calendar Title: Topics: Atlantic World.
Description: Exploration of a specific theme in Atlantic history, 1500 to 1850.
Notes: Prerequisites: any two of the following: HIST 200, HIST 202, HIST 211, HIST 214, HIST 309 or permission of instructor.
Restriction: Enrolment limit 25.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 419
Credit Weight: 3
Transcript Title: Central America
Calendar Title: Central America.
Description: The study of historical roots of the regional crisis of the 1980s, with particular attention to Nicaragua, El Salvador and Guatemala.
Notes: Prerequisite: HIST 309, HIST 360 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 420
Credit Weight: 3
Transcript Title: Gender&Sexuality: Modern China
Calendar Title: Gender and Sexuality in Modern China.
Description: The history of gender and sexuality in modern China. Topics include Chinese femininities and Chinese masculinities, theories of sexuality, and changing conceptions of gender identity under Confucianism, Western Imperialism, and socialism.
Notes: Prerequisite: A 300-level course in the History of China or Gender/Sexuality or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

**HIST 421**
Credit Weight: 3  
Transcript Title: Topics in Early Modern Europe  
Calendar Title: Topics in Early Modern Europe.  
Description: Varying subjects of topical interest regarding early-modern Europe.  
Notes: Prerequisite: a course in Early Modern Europe  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

**HIST 423**
Credit Weight: 3  
Transcript Title: Topics: Migration & Ethnicity  
Calendar Title: Topics: Migration and Ethnicity.  
Description: The study of various topics and themes in the area of migration, ethnicity and race in Canada. Topics vary from year to year.  
Notes: Prerequisite: HIST 397 or permission of instructor  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

**HIST 424**
Credit Weight: 3  
Transcript Title: Gender, Sexuality & Medicine  
Calendar Title: Gender, Sexuality and Medicine.  
Description: Gender, sexuality, and medicine since the colonial era, with a focus on North American experience. Topics will include reproductive medicine (puberty, childbirth, fertility control, menopause), changing perceptions of men's and women's health needs and risks, and ideas about sexual behaviour and identity.  
Notes: Prerequisite: A 300-level History course in gender, sexuality or medicine or permission of instructor.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

**HIST 425**
Credit Weight: 3  
Transcript Title: Global Food History  
Calendar Title: Global Food History.  
Description: A history of food and drink in global history. Topics include: feasts and famines; the exchange of foodstuffs and drinking habits between cultures, especially the early modern 'Columbian exchange'; the history of civilizing processes (e.g. table manners); the origins of the restaurant and the making of modern food systems.  
Notes: Prerequisite: one course in History or permission of instructor.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 426
Credit Weight: 3
Transcript Title: Topics: British Cultural Hist
Calendar Title: Topics: British Cultural History.
Description: Selected topics in intellectual and cultural history of Britain and Ireland, focusing on discussion of primary texts.
Notes: Prerequisite: HIST 215 or a course in British history or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 427
Credit Weight: 3
Transcript Title: The Hasidic Movement
Calendar Title: The Hasidic Movement.
Description: A historical examination of the history of the Hasidic Movement from its beginnings in 18th-century Poland to the present. Although emphasis will be placed on the social history of the movement, doctrinal developments will be examined as well.
Notes: Prerequisite: HIST 307 or a course in East-European history or consent of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 428
Credit Weight: 3
Transcript Title: Topics: History of the Book
Calendar Title: Topics: History of the Book.
Description: The theory and practice of using books, manuscripts, periodicals as well as other communicative media. Topics may include literacy and orality; the print revolution; censorship; readers and reading practices; newspapers and journalism; the origins of scientific persuasion and intellectual property rights.
Notes: Prerequisite: A 300-level course in history or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 429
Credit Weight: 3
Transcript Title: Topics: Gender/Feminist Hist
Calendar Title: Topics: Gender/Feminist Histories.
Description: An intensive study of selected aspects related to the history of gender, feminism, and sexuality.
Notes: Prerequisite(s): A 200-level course in History or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 430
Credit Weight: 3
Transcript Title: Topics in Modern Medicine
Calendar Title: Topics in Modern Medicine.
Description: Selected topics in the history of medicine in the 19th, 20th and/or 21st centuries will be explored through discussion of primary and secondary historical sources.
Notes: Prerequisites: HIST 249 (or HIST 349 prior to Winter 2006) or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 431
Credit Weight: 3
Transcript Title: Topics in U.S. History
Calendar Title: Topics in U.S. History.
Description: Various topics in United States history.
Notes: Prerequisite: By permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 432
Credit Weight: 3
Transcript Title: Topics in Labour History
Calendar Title: Topics in Labour History.
Description: Exploration of selected themes in labour and working-class history from diverse geographical and transnational perspectives.
Notes: Prerequisite: HIST 202 and HIST 203 or consent of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 433
Credit Weight: 3
Transcript Title: British Queer History
Calendar Title: British Queer History.
Description: An investigation of the changing historical construction of "deviant" and "normal" sexualities in Britain since 1700, and how queer women and men discovered ways of surviving and perhaps even flourishing in the face of persecution and hostility from the state, the churches and the medical profession.
Notes: Prerequisites: HIST 215 or a course in British History or permission of instructor.
Restrictions: Not open to students who have taken HIST 426 in 200209.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 434
Credit Weight: 3
Transcript Title: Brit. North America 1760-1867
Calendar Title: British North America 1760-1867.
Description: This course will study the social-cultural and political development of British North American colonies.
Notes: Prerequisite: An introductory course in history or consent or instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 435
Credit Weight: 3
Transcript Title: Topics in South Asian History
Calendar Title: Topics in South Asian History.
Description: In-depth discussion and research on a topic in the history of South Asia.
Notes: Prerequisite(s): HIST 310 or HIST 341 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 436
Credit Weight: 3
Transcript Title: Topics: European History
Calendar Title: Topics: European History.
Description: An in-depth look at particular aspects of European history.
Notes: Prerequisite: Permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 437
Credit Weight: 3
Transcript Title: Topics: Issues in Cdn History
Calendar Title: Topics: Issues in Canadian History.
Description: A discussion-based, advanced intensive study of selected aspects of Canadian history.
Notes: Prerequisite(s): A 300-level course in Canadian History or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 438
Credit Weight: 3
Transcript Title: Topics in Cold War History
Calendar Title: Topics in Cold War History.
Description:
One large aspect of Cold War, either thematic or regional, will be explored.
Notes:
Prerequisite: HIST 304 or other 300-level course relevant to the current topic of the course or permission on the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 439
Credit Weight: 3
Transcript Title: History of Women in China
Calendar Title: History of Women in China.
Description:
This course examines the changing roles of women in traditional and modern China. Topics include political, social, and legal status, sexuality and medicine, religion and culture.
Notes:
Prerequisite: a previous course in Chinese history
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 440
Credit Weight: 3
Transcript Title: Fiction and History
Calendar Title: Fiction and History.
Description:
This course examines why and how books are classified as fiction or history. Topics include: social expectations and uses of literature; evidence and verification; the author as authority. Readings include history and fiction from various historical periods, and relevant scholarship.
Notes:
Prerequisite: 6 credits at the 300 level in either history or literature
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 441
Credit Weight: 3
Transcript Title: Topics: Culture & Ritual in China
Calendar Title: Topics: Culture and Ritual in China.
Description:
An examination of selected aspects of the cultural and intellectual life of China. Topics vary from year to year, but include the history of popular religion, Chinese science and medicine, the esoteric arts including divination practices, law, and the influence of ideas in the production of Chinese culture.
Notes:
Prerequisite: HIST 208 and HIST 218 and permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 442
Credit Weight: 3
Transcript Title: Asian Diasp: Chinese Overseas
Calendar Title: Asian Diaspora: Chinese Overseas.
Description:
The contexts and causes of Chinese emigration; historical patterns of migration; Overseas Chinese communities on five continents, with emphasis on Southeast Asia and North America; alienation and identity in Chinatown; relations between the Overseas Chinese and China.
Notes:
Prerequisite: One previous course in Chinese or Asian history or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 443
Credit Weight: 3
Transcript Title: Topics: Modern Japan
Calendar Title: Topics: Modern Japan.
Description:
An intensive study of selected aspects related to the history of modern Japan.
Notes:
Prerequisite: HIST 218 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 445
Credit Weight: 3
Transcript Title: Late Imperial China
Calendar Title: Late Imperial China.
Description:
An introduction to the social and economic history of Late Imperial China, focusing on the Ming and early to mid Qing Dynasties (1368 - 1800), and current interpretations thereof. Was this a discrete period in Chinese history? If so, why.
Notes:
Prerequisite: HIST 208 or HIST 218
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 446
Credit Weight: 3
Transcript Title: Topics in Middle East History
Calendar Title: Topics in Middle East History.
Description:
Examination of a selected topic in the history of the modern Middle East from the late 19th century to the present.
Notes:
Prerequisite(s): Any class on the history of the Middle East or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active
HIST 449
Credit Weight: 3
Transcript Title: Medicine in the Ancient World
Calendar Title: Medicine in the Ancient World.
Description:
The evolution of ideas about the human body, disease, and therapeutics, and the diverse practices of medicine in Graeco-Roman antiquity (ca 800BC - ca 600CE), with particular attention given to their social, political, cultural and religious context.
Notes:
Prerequisite: HIST 349 or an introductory course in Ancient Greek or Roman history
Restriction: Not open to students who have taken HIST 452 and HIST 453
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 450
Credit Weight: 3
Transcript Title: Ancient History Methods
Calendar Title: Ancient History Methods.
Description:
Different methods and strategies employed by Ancient historians, including numismatics, epigraphy, and papyrology.
Notes:
Prerequisite: 3 credits at the 300-level in Ancient history or permission of the instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 452
Credit Weight: 3
Transcript Title: Topics in Pre-Modern Medicine
Calendar Title: Topics in Pre-Modern Medicine.
Description:
The history of the evolution of ideas about the human body, disease and therapeutics and the diverse practices of medicine prior to the advent of modern clinical and laboratory medicine in the 19th c., with particular attention to social, political, cultural and religious context.
Notes:
Prerequisites: HIST 214 or HIST 249 and a 300-level course in History or permission of instructor.
Priority is given to students registered in the Minor Concentration in Social Studies of Medicine
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 453
Credit Weight: 3
Transcript Title: Hist. of Revolution in Europe
Calendar Title: History of Revolution in Europe.
Description:
The evolution of the concept and phenomenon of revolution from the 1640s in

**Notes:**
Prerequisite: HIST 215 or permission of instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

### HIST 454
**Credit Weight:** 3

**Transcript Title:** Marxist Theory

**Calendar Title:** Marxist Theory.

**Description:**
Themes in Marxist theory and historiography, from the mid-19th century to the present moment. Topics will include the global intellectual history of Marxism in political and economic thought, diverse Marxisms around the world, contemporary developments in Marxist theory, historical analysis and historiography.

**Notes:**
Prerequisite: A 200-level history course or permission of instructor.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

### HIST 457
**Credit Weight:** 3

**Transcript Title:** Topics in Medical History

**Calendar Title:** Topics in Medical History.

**Description:**
This course explores different topics in medical history. Topics to be explored include the role of medicine from ancient to modern times.

**Notes:**
Prerequisite: HIST 349 or HIST 356 or permission of instructor

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

### HIST 468
**Credit Weight:** 3

**Transcript Title:** Europe Since 1989

**Calendar Title:** Europe Since 1989.

**Description:**
Though the European continent has changed beyond recognition since 1989, historians are only just beginning to turn their attention to this most contemporary of European epochs. This course therefore provides students an opportunity to conduct ground-breaking research, informed by readings and seminar discussions on such topics as Thatcherism, the round tables and revolutions of 1989, war and genocide in Yugoslavia, European integration, the fall and rise of Russia, technological change, and related transformations of society and culture. The course provides training in methods appropriate for research on contemporary history, and though it does not neglect great powers, it is well suited to students interested in Europe’s small countries.

**Notes:**
Prerequisite(s): A 300-level course in European history or permission of instructor.

Restriction(s): Not open to students who have taken HIST 436 in Winter 2012 or Winter 2014.

**Administering Faculty:** Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 469
Credit Weight: 3
Transcript Title: Alexander & Hellenistic World
Calendar Title: Alexander and Hellenistic World.
Description: The history and culture of the Hellenistic period, from the Age of Alexander to the rise of the successor kingdoms and their interactions with Rome; discusses the development of a new sense of globality and its impact on the local horizon of cities across the Mediterranean and beyond.
Notes: Prerequisite(s): 3 credits in Ancient history at the 300-level or permission of instructor.
Restrictions: Not open to students who have taken HIST 407 in winter 2015 or winter 2017.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 472
Credit Weight: 3
Transcript Title: History of European Education
Calendar Title: History of European Education.
Description: A history of school and schooling within the European context since the invention of print. Topics include: passage from private to public practices; modern statehood and education; school and social mobility; school and the civilizing mission; student mobility; universities and the specialization of academic disciplines; Europe and the globalization of the educational field.
Notes: Prerequisite(s): HIST 215 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 475
Credit Weight: 3
Transcript Title: Topics: Roman History
Calendar Title: Topics: Roman History.
Description: In-depth examination of a selected topic, theme, or period of ancient Roman history.
Notes: Prerequisite(s): HIST 205, HIST 275, HIST 375, HIST 376, HIST 391, or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 478
Credit Weight: 3
Transcript Title: Pre-modern Chinese Law&Society
Calendar Title: Pre-modern Chinese Law and Society.
Description:
The history of Chinese law and society from early pre-imperial to late imperial times. Themes include the philosophical basis of Chinese law; development of different forms of legislation; practice of pre-modern law; law and social and political change; military law; legal cases translated from primary sources.

Notes:
Prerequisite: Any 300-level course in Chinese history or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 480
Credit Weight: 3
Transcript Title: Democracy and Society in India
Calendar Title: Democracy and Society in India.
Description:
A specialized in-depth historical survey of issues and problems in the transformation of India towards democracy in the post-colonial era.

Notes:
Prerequisite(s): HIST 341 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 481
Credit Weight: 3
Transcript Title: Hist of Bangladesh & Pakistan
Calendar Title: History of Bangladesh and Pakistan.
Description:
Examines social and political histories of Pakistan and Bangladesh from 1947 to present with attention to the roles of Islam, ethnicity and nationalism.

Notes:
Prerequisite(s): HIST 341 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 482
Credit Weight: 3
Transcript Title: Global History of Coffee
Calendar Title: Global History of Coffee.
Description:
The history of coffee and coffeehouses from the discovery of coffee in the late medieval Ottoman empire until the present day. Topics include the putative 'golden age' of coffeehouse culture in the early modern era, the transformations of the coffeehouse in the nineteenth and twentieth centuries, the development of a modern consumer society, and forms of public association and communication often described as the bourgeois public sphere.

Notes:
Prerequisite(s): Any 300-level history course or permission of instructor.
Restriction(s): Not open to students who have taken HIST 436 when topic was "Cafes and Coffeehouses".

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active
HIST 488

Credit Weight: 3
Transcript Title: Emotns Hist of EarlyMod Europe
Calendar Title: Emotions History of Early Modern Europe.
Description:
Readings and research on the history of emotions in the early modern era (c. 1450 to c. 1800). Introduction to the topic with a focus on how historians have studied the emotional life of Europeans between the age of renaissance and reformation and the French Revolution, including selected studies of the medieval and modern eras.
Notes:
Prerequisite: One course in European history or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 498

Credit Weight: 3
Transcript Title: Independent Research
Calendar Title: Independent Research.
Description:
Exceptionally, and under the direction of a member of staff, advanced and highly qualified students who have an extensive background in the proposed area of study, may pursue this independent study.
Notes:
Prerequisite: Written permission from the instructor and the undergraduate program director.
Restriction: Open to History Major Concentration, Honours or Joint Honours students only. Not open to students who have taken HIST 413.
Students may only register for this course once.
Students may count a maximum of 3 credits of HIST 498 or HIST 499 toward the 6-credits of 400-level or higher courses required for the History Major Concentration.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 499

Credit Weight: 3
Transcript Title: Internship: History
Calendar Title: Internship: History.
Description:
Internship with an approved host institution or organization.
Notes:
Prerequisite: Permission of the departmental Internship Advisor.
Restriction: Open to U2 and U3 students with a minimum CGPA of 2.7, and permission of the departmental Internship Advisor.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 503

Credit Weight: 3
Transcript Title: Topics in Modern European Hist
Calendar Title: Topics in Modern European History.
Description:
Advanced topics in modern European history. Topics will vary by year. The course has a substantial research component.

Notes:
Prerequisite(s): Undergraduate students: HIST 215 or permission of instructor; MA students: a prior course in the history of modern Europe pertinent to the subject of the course or permission of the instructor.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 504
Credit Weight: 3
Transcript Title: Topics: World History
Calendar Title: Topics: World History.
Description:
Selected topics in world history.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 505
Credit Weight: 3
Transcript Title: Topics: The British Empire
Calendar Title: Topics: The British Empire.
Description:
Topics in the history of British formal and informal imperialism and the colonial encounter from the eighteenth to the twentieth centuries.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 506
Credit Weight: 3
Transcript Title: Theory for Historical Studies
Calendar Title: Theory for Historical Studies.
Description:
Approaches to the interpretation and understanding of historical evidence which are outside the traditional historical discipline - reading of central texts in, for example, psychoanalytic theory, gender theory, or literary criticism and exercises in the use of these theories for historical research.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 507
Credit Weight: 3
Transcript Title: Topics in Early Modern History
Calendar Title: Topics in Early Modern History.
Description:
Readings and research on a selected topic in early modern history.

Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 508
Credit Weight: 3
Transcript Title: The Art of War in China
Calendar Title: The Art of War in China.
Description:
A study of the historical development of military theory and practice from earliest times to 1911 from a variety of perspectives, technological, scientific, social, and cultural.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 509
Credit Weight: 3
Transcript Title: European Intellectual History
Calendar Title: European Intellectual History.
Description:
Study of selected topics in European intellectual and/or cultural history.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 510
Credit Weight: 3
Transcript Title: Enviro. Hist. of L. Am (Field)
Calendar Title: Environmental History of Latin America (Field).
Description:
Human-nature interactions over different scales of time in Latin America (with an emphasis on neo-tropical environments) and the application of the historical perspective to contemporary environmental issues, including historiography and methodology; cultures of environmental knowledge.
Notes:
This course will be offered in Panama as part of the Panama Field Studies Semester. Language of instruction is in English but fluency in Spanish is required for the fieldwork component of the class.
Prerequisites: HISP 218 or HISP 210 or equivalent proficiency
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 511
Credit Weight: 3
Transcript Title: History of Emotions
Calendar Title: History of Emotions.
Description:
Readings and research on the history of emotions, with focus on how historians have studied the emotional life of the past. Particular attention to the various ways emotion has been conceived in the past and the historical methodologies used to study emotional experiences.
Notes:
Prerequisite(s): At least one History course at the 400-level or above, or permission of instructor.
Restrictions: Not open to students who have taken HIST 507 in fall 2016.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 512
Credit Weight: 3  
Transcript Title: Topics in Chinese History  
Calendar Title: Topics in Chinese History.  
Description: Exploration of a theme in Chinese history  
Notes: Open to upper-level undergraduate students and Masters students  
Prerequisite: A 300- or 400-level course in Chinese history or permission of instructor.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 522  
Credit Weight: 3  
Transcript Title: Topics: Canadian Int'l History  
Calendar Title: Topics: Canadian International History.  
Description: Explores the field of international history and Canada's particular version of it. Examines the artificial divide between national and international history; tracing how race, gender, class, colonialism and imperialism shaped the country's foundations as well as its evolving relationship with developments in the international sphere. Seminar readings and discussions focus on historiographical developments in the study of international history and how this has affected understandings of Canada and its place in the world.  
Notes: Prerequisite(s): HIST 342 or permission of instructor  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 525  
Credit Weight: 3  
Transcript Title: Women, Work&Family/Global Hist.  
Calendar Title: Women, Work and Family in Global History.  
Description: The shifting historical context of female labour and family in selected western and non-western countries; the interaction between labour and gender relations with special focus on women's experiences on the shop floor and in the family.  
Notes: Prerequisite: A 300 or 400-level course in women's history or labour history or permission of instructor  
Restriction: Restricted to students in History and Women's Studies  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 526  
Credit Weight: 3  
Transcript Title: Women and War  
Calendar Title: Women and War.  
Description: Examines the impact of war on individuals, families and societies. Studies the experiences of women and children in exile, mass persecutions, and punishments associated with social unrest, revolution or wars during twentieth century.  
Notes:
Prerequisite(s): A 300 or 400-level course in women's history or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 527
Credit Weight: 3
Transcript Title: Topics: Indian Ocean World Hist
Calendar Title: Topics: Indian Ocean World History.
Description:
This course studies pivotal topics in Indian Ocean World (IOW) history. Topics may include (i) the rise and development of the IOW global economy; (ii) The Swahili Civilisation and the IOW; (iii) Islam and the IOW; (iv) Imperialism in the IOW; (v) IOW Slavery and Slave Trades; (vi) History of Madagascar.

Notes:
Prerequisite: Any 200 or 300 level history course or any course on Africa, Asia, global or labour studies or permission of instructor

HIST 528
Credit Weight: 3
Transcript Title: Indian Ocean World Slave Trade
Calendar Title: Indian Ocean World Slave Trade.
Description:
The origins, structure and impact of the Indian Ocean World slave trade from early times to the present day. Enslavement, the trading structure, slave functions, reactions to slavery, emancipation and 'slave' diaspora. Comparisons will be made to the Atlantic slave system.

Notes:
Prerequisites: HIST 200 or HIST 213 or permission of instructor.
Restriciton: Not open to students who have taken HIST 467.

HIST 530
Credit Weight: 3
Transcript Title: U.S. Foreign Relations
Calendar Title: U.S. Foreign Relations.
Description:
The history and historiography, approaches and interpretations, of American foreign relations from the pre-Revolutionary era to the present.

Notes:
Prerequisite: one course in U.S. history or permission of instructor.
Restriction: Enrolment limit 25.

HIST 548
Credit Weight: 3
Transcript Title: History and Biography
Calendar Title: History and Biography.
Description:
Biography is one of the oldest and most popular historical genres. This course examines the relationship between biographical life writing and historical analysis. Readings include exemplary works of both popular and scholarly biography as well as discussions of biographical research methods. The seminar is designed to prepare students to write their own biographical essay based on original research.

Notes:
Prerequisite: At least one HIST course at the 400 level or higher.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 550D1
Credit Weight: 3
Transcript Title: Ancient History: Seminar
Calendar Title: Ancient History: Seminar.
Description:
Topics in ancient Mediterranean history, focusing on Greek and/or Roman society.

Notes:
Prerequisite (Undergraduate): 6 credits at the 300 or 400 level in Ancient history or permission of instructor.
Restriction: Honours students or advanced undergraduates who have permission of the instructor. Also open to graduate students.
Not open to students who have taken or are taking HIST 551.
Students must register for both HIST 550D1 and HIST 550D2.
No credit will be given for this course unless both HIST 550D1 and HIST 550D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 550D2
Credit Weight: 3
Transcript Title: Ancient History: Seminar
Calendar Title: Ancient History: Seminar.
Description:
Topics in ancient Mediterranean history, focusing on Greek and/or Roman society.

Notes:
Prerequisite (Undergraduate): 6 credits at the 300 or 400 level in Ancient history or permission of instructor. HIST 550D1.
Restriction: Honours students or advanced undergraduates who have permission of the instructor. Also open to graduate students.
Not open to students who have taken or are taking HIST 551.
Students must register for both HIST 550D1 and HIST 550D2.
No credit will be given for this course unless both HIST 550D1 and HIST 550D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 552
Credit Weight: 6
Transcript Title: Internat. Relations: Seminar
Calendar Title: International Relations: Seminar.
Description:
Readings on and discussion of a theme in the history of international relations. 

Notes:
Prerequisite: Permission of instructor.
Restricted to Graduate students and Honours students or advanced students with permission of the instructor. Not open to students who have taken HIST 553.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 552D1
Credit Weight: 3
Transcript Title: Internat. Relations: Seminar
Calendar Title: International Relations: Seminar.
Description:
Readings on and discussion of a theme in the history of international relations.

Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Restricted to Graduate students and Honours students or advanced students with permission of the instructor. Not open to students who have taken HIST 553.

Students must register for both HIST 552D1 and HIST 552D1
No credit will be given for this course unless both HIST 552D1 and HIST 552D1 are successfully completed in consecutive terms
HIST 552D1 and HIST 552D1 together are equivalent to HIST 552

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 552D2
Credit Weight: 3
Transcript Title: Internat. Relations: Seminar
Calendar Title: International Relations Seminar.
Description:
Readings on and discussion of a theme in the history of international relations.

Notes:
Prerequisite: Permission of instructor and HIST 552D1
Restriction: Restricted to Graduate students and Honours students or advanced students with permission of the instructor. Not open to students who have taken HIST 553.

No credit will be given for this course unless both HIST 552D1 and HIST 552D2 are successfully completed in consecutive terms
HIST 552D1 and HIST 552D2 together are equivalent to HIST 552

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 555D1
Credit Weight: 3
Transcript Title: Seminar: Medieval History
Calendar Title: Seminar: Medieval History.
Description:
Readings and discussion on a selected topic in Medieval history.

Notes:
Prerequisite(s): HIST 380 or HIST 401 or permission of instructor.
Students must register for both HIST 555D1 and HIST 555D2.
No credit will be given for this course unless both HIST 555D1 and HIST 555D2 are
successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 555D2**

**Credit Weight:** 3

**Transcript Title:** Seminar: Medieval History

**Calendar Title:** Seminar: Medieval History.

**Description:**
Readings and discussion on a selected topic in Medieval history.

**Notes:**
Prerequisite: HIST 555D1
Students must register for both HIST 555D1 and HIST 555D2.
No credit will be given for this course unless both HIST 555D1 and HIST 555D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 556D1**

**Credit Weight:** 3

**Transcript Title:** Seminar: Colonial America

**Calendar Title:** Seminar: Colonial America.

**Description:**
Readings in and discussion of a theme in the history of Colonial America.

**Notes:**
Restriction(s): Restricted to Graduate Students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 556 and HIST 557 with the same topic.
1. Topics will vary by year.
2. Students must register for both HIST 556D1 and HIST 556D2.
3. No credit will be given for this course unless both HIST 556D1 and HIST 556D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 556D2**

**Credit Weight:** 3

**Transcript Title:** Seminar: Colonial America

**Calendar Title:** Seminar: Colonial America.

**Description:**
Readings in and discussion of a theme in the history of Colonial America.

**Notes:**
Prerequisite(s): HIST 556D1
Restriction(s): Restricted to Graduate Students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 556 and HIST 557 with the same topic.
1. Topics will vary by year.
2. Students must register for both HIST 556D1 and HIST 556D2.
3. No credit will be given for this course unless both HIST 556D1 and HIST 556D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active
HIST 558
Credit Weight: 3
Transcript Title: Modern Medicine: Seminar
Calendar Title: Modern Medicine: Seminar.
Description: The emergence of scientific medicine, medical professionalization, the development of public health and the process of medical specialization since 1700.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 559
Credit Weight: 3
Transcript Title: Modern Medicine: Research
Calendar Title: Modern Medicine: Research.
Description: Supervised design, research, writing, and discussion of a major research paper on a theme in the history of modern medicine since 1700.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 560
Credit Weight: 6
Transcript Title: World History: Seminar
Calendar Title: World History: Seminar.
Description: Readings on and discussion of a theme in world history.
Notes: Prerequisite: Permission of instructor.
Restrictions: Restricted to Graduate Students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 561.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 560D1
Credit Weight: 3
Transcript Title: World History: Seminar
Calendar Title: World History: Seminar.
Description: Readings on and discussion of a theme in world history.
Notes: Prerequisite: Permission of instructor.
Restrictions: Restricted to Graduate Students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 561.
Students must register for both HIST 560D1 and HIST 560D2
No credit will be given for this course unless both HIST 560D1 and HIST 560D2 are successfully completed in consecutive terms
560D1 and HIST 560D2 together are equivalent to HIST 560
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active
HIST 560D2
Credit Weight: 3
Transcript Title: World History: Seminar
Calendar Title: World History: Seminar.
Description:
Readings on and discussion of a theme in world history.
Notes:
Prerequisite: HIST 560D1
Restrictions: Restricted to Graduate Students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 561.
No credit will be given for this course unless both HIST 560D1 and HIST 560D2 are successfully completed in consecutive terms
560D1 and HIST 560D2 together are equivalent to HIST 560
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 564D1
Credit Weight: 3
Transcript Title: Seminar: Latin American Hist
Calendar Title: Seminar: Latin American History.
Description:
Exploration of a selected topic in Latin America history.
Notes:
Prerequisites: HIST 309, HIST 360, HIST 366, HIST 409 or permission of instructor
Students must register for both HIST 564D1 and HIST 564D2
No credit will be given for this course unless both HIST 564D1 and HIST 564D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 564D2
Credit Weight: 3
Transcript Title: Seminar: Latin American Hist
Calendar Title: Seminar: Latin American History.
Description:
See HIST 564D1 for course description.
Notes:
Prerequisite: HIST 564D1
No credit will be given for this course unless both HIST 564D1 and HIST 564D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 565
Credit Weight: 6
Transcript Title: Modern Britain: Seminar
Calendar Title: Modern Britain: Seminar.
Description:
Readings in and discussion of a theme in Modern British history.
Notes:
Prerequisite: Permission of the instructor.
Restrictions: Restricted to Graduate students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 566.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 565D1

Credit Weight: 3
Transcript Title: Modern Britain: Seminar
Calendar Title: Modern Britain: Seminar.
Description: Readings in and discussion of a theme in Modern British history.
Notes: Prerequisite: Permission of the instructor.
Restrictions: Restricted to Graduate students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 566.

Students must register for both HIST 565D1 and HIST 565D2.
No credit will be given for this course unless both HIST 565D1 and HIST 565D2 are successfully completed in consecutive terms.
HIST 565D1 and HIST 565D2 together are equivalent to HIST 565.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 565D2

Credit Weight: 3
Transcript Title: Modern Britain: Seminar
Calendar Title: Modern Britain: Seminar.
Description: Readings in and discussion of a theme in Modern British history.
Notes: Prerequisite: HIST 565D1.
Restrictions: Restricted to Graduate students and Honours students or advanced students with permission of instructor. Not open to students who have taken HIST 566.

No credit will be given for this course unless both HIST 565D1 and HIST 565D2 are successfully completed in consecutive terms.
HIST 565D1 and HIST 565D2 together are equivalent to HIST 565.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 567D1

Credit Weight: 3
Transcript Title: Seminar: Medieval Medicine
Calendar Title: Seminar: Medieval Medicine.
Description: Models of the body, disease and medical intervention current in western Europe between 400 and 1500 AD will be examined through analysis of primary sources in translation, and modern historical scholarship.
Notes: Students must register for both HIST 567D1 and HIST 567D2.
No credit will be given for this course unless both HIST 567D1 and HIST 567D2 are successfully completed in consecutive terms.
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 567D2**
**Credit Weight:** 3  
**Transcript Title:** Seminar: Medieval Medicine  
**Calendar Title:** Seminar: Medieval Medicine.  
**Description:** Models of the body, disease and medical intervention current in western Europe between 400 and 1500 AD will be examined through analysis of primary sources in translation, and modern historical scholarship. The sequel to this course is HIST 496.  
**Notes:** Prerequisite: HIST 567D1  
No credit will be given for this course unless both HIST 567D1 and HIST 567D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 568D1**
**Credit Weight:** 3  
**Transcript Title:** Topics in Chinese History  
**Calendar Title:** Topics in Chinese History.  
**Description:** A research seminar on aspects of Chinese history from early time to the present, with emphasis on social history.  
**Notes:** Students must register for both HIST 568D1 and HIST 568D2  
No credit will be given for this course unless both HIST 568D1 and HIST 568D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 568D2**
**Credit Weight:** 3  
**Transcript Title:** Topics in Chinese History  
**Calendar Title:** Topics in Chinese History.  
**Description:** See HIST 568D1 for course description.  
**Notes:** Prerequisite: HIST 568D1  
No credit will be given for this course unless both HIST 568D1 and HIST 568D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** History and Classical Studies  
**Status (catalog level):** Active

**HIST 569D1**
**Credit Weight:** 3  
**Transcript Title:** Topics: Modern French History  
**Calendar Title:** Topics: Modern French History.  
**Description:** An examination of select topics in modern French history and European intellectual
history as it relates to France.

Notes:
Students must register for both HIST 569D1 and HIST 569D2
No credit will be given for this course unless both HIST 569D1 and HIST 569D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 569D2
Credit Weight: 3
Transcript Title: Topics: Modern French History
Calendar Title: Topics: Modern French History.
Description:
See HIST 488D1 for course description.
Notes:
Prerequisite: HIST 569D1
No credit will be given for this course unless both HIST 569D1 and HIST 569D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 570D1
Credit Weight: 3
Transcript Title: Topics: Historical Interpretation
Calendar Title: Topics: Historical Interpretation.
Description:
Topics in historical interpretation. Topic varies by year.
Notes:
Students must register for both HIST 570D1 and HIST 570D2
No credit will be given for this course unless both HIST 570D1 and HIST 570D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 570D2
Credit Weight: 3
Transcript Title: Topics: Historical Interpretation
Calendar Title: Topics: Historical Interpretation.
Description:
See HIST 570D1 for course description.
Notes:
Prerequisite: HIST 570D1
No credit will be given for this course unless both HIST 570D1 and HIST 570D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 571D1
Credit Weight: 3
Transcript Title: Seminar: Italian Renaissance
Calendar Title: Seminar: Italian Renaissance.
Description:
Seminar on the Italian renaissance.
Notes:
Students must register for both HIST 571D1 and HIST 571D2
No credit will be given for this course unless both HIST 571D1 and HIST 571D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 571D2
Credit Weight: 3
Transcript Title: Seminar: Italian Renaissance
Calendar Title: Seminar: Italian Renaissance.
Description:
See HIST 571D1 for course description.
Notes:
Prerequisite: HIST 571D1
No credit will be given for this course unless both HIST 571D1 and HIST 571D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 572D1
Credit Weight: 3
Transcript Title: Seminar in Jewish History
Calendar Title: Seminar in Jewish History.
Description:
Seminar in Jewish history. Topic varies by year.
Notes:
Students must register for both HIST 572D1 and HIST 572D2
No credit will be given for this course unless both HIST 572D1 and HIST 572D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 572D2
Credit Weight: 3
Transcript Title: Seminar in Jewish History
Calendar Title: Seminar in Jewish History.
Description:
Seminar in Jewish history. Topic varies by year.
Notes:
Prerequisite: HIST 572D1
No credit will be given for this course unless both HIST 572D1 and HIST 572D2
are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 573D1
Credit Weight: 3
Transcript Title: Seminar on Central Europe
Calendar Title: Seminar on Central Europe.
Description:
A research seminar on selected topics in the history of central Europe, defined as
the Holy Roman Empire, the Habsburg Monarchy, and their successor states. Topics vary by year.

**Notes:**
Students must register for both HIST 573D1 and HIST 573D2
No credit will be given for this course unless both HIST 573D1 and HIST 573D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 573D2**

**Credit Weight:** 3

**Transcript Title:** Seminar on Central Europe

**Calendar Title:** Seminar on Central Europe.

**Description:**
See HIST 573D1 for course description.

**Notes:**
Prerequisite: HIST 573D1
No credit will be given for this course unless both HIST 573D1 and HIST 573D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 574D1**

**Credit Weight:** 3

**Transcript Title:** Topics in Comparative History

**Calendar Title:** Topics in Comparative History.

**Description:**
Topics in comparative history. Topic varies by year.

**Notes:**
Students must register for both HIST 574D1 and HIST 574D2
No credit will be given for this course unless both HIST 574D1 and HIST 574D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 574D2**

**Credit Weight:** 3

**Transcript Title:** Topics in Comparative History

**Calendar Title:** Topics in Comparative History.

**Description:**
See HIST 574D1 for course description.

**Notes:**
Prerequisite: HIST 574D1
No credit will be given for this course unless both HIST 574D1 and HIST 574D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 575D1**

**Credit Weight:** 3

**Transcript Title:** Topics: Germany

**Calendar Title:** Topics: Germany.

**Description:**
A study of topics on Germany. Topic vary by year.

Notes:
Students must register for both HIST 575D1 and HIST 575D2
No credit will be given for this course unless both HIST 575D1 and HIST 575D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 575D2
Credit Weight: 3
Transcript Title: Topics: Germany
Calendar Title: Topics: Germany.
Description:
See HIST 575D1 for course description.
Notes:
Prerequisite: HIST 575D1
No credit will be given for this course unless both HIST 575D1 and HIST 575D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 576D1
Credit Weight: 3
Transcript Title: Seminar: Topics in Russian Hist
Calendar Title: Seminar: Topics in Russian History.
Description:
Topics in Russian history. Topic varies by year.
Notes:
Students must register for both HIST 576D1 and HIST 576D2
No credit will be given for this course unless both HIST 576D1 and HIST 576D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 576D2
Credit Weight: 3
Transcript Title: Seminar: Topics in Russian Hist
Calendar Title: Seminar: Topics in Russian History.
Description:
See HIST 576D1 for course description.
Notes:
Prerequisite: HIST 576D1
No credit will be given for this course unless both HIST 576D1 and HIST 576D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 577D1
Credit Weight: 3
Transcript Title: Sem: Antiquity to Reformation
Calendar Title: Seminar: Antiquity to Reformation.
Description:
Seminar on topics from Antiquity to Reformation.

Notes:
Students must register for both HIST 577D1 and HIST 577D2
No credit will be given for this course unless both HIST 577D1 and HIST 577D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 577D2
Credit Weight: 3
Transcript Title: Sem: Antiquity to Reformation
Calendar Title: Seminar: Antiquity to Reformation.
Description:
See HIST 577D1 for course description.
Notes:
Prerequisite: HIST 577D1
No credit will be given for this course unless both HIST 577D1 and HIST 577D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 578D1
Credit Weight: 3
Transcript Title: Seminar in Japanese History
Calendar Title: Seminar in Japanese History.
Description:
Particular attention will be paid to Japanese responses to the impact of Western culture from the sixteenth century, and to aspects of Japanese intellectual history.
Notes:
Students must register for both HIST 578D1 and HIST 578D2
No credit will be given for this course unless both HIST 578D1 and HIST 578D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 578D2
Credit Weight: 3
Transcript Title: Seminar in Japanese History
Calendar Title: Seminar in Japanese History.
Description:
See HIST 578D1 for course description.
Notes:
Prerequisite: HIST 578D1
No credit will be given for this course unless both HIST 578D1 and HIST 578D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 579D1
Credit Weight: 3
Transcript Title: Seminar: African History
**Calendar Title:** Seminar: African History.

**Description:**
Readings in and discussion of a theme in African history.

**Notes:**
Prerequisite(s): HIST 200 or HIST 201 or HIST 382 or permission of the instructor.
Restriction(s): Restricted to Graduate students and Honours students or advanced students with permission of the instructor. Not open to students who have taken HIST 486D1/D2.
1. Topics will vary by year.
2. Students must register for both HIST 579D1 and HIST 579D2.
3. No credit will be given for this course unless both HIST 579D1 and HIST 579D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 579D2**

**Credit Weight:** 3

**Transcript Title:** Seminar: African History

**Calendar Title:** Seminar: African History.

**Description:**
See HIST 579D1 for course description.

**Notes:**
Prerequisite(s): HIST 579D1.
Restriction(s): Restricted to Graduate students and Honours students or advanced students with permission of the instructor. Not open to students who have taken HIST 486D1/D2.
1. Topics will vary by year.
2. Students must register for both HIST 579D1 and HIST 579D2.
3. No credit will be given for this course unless both HIST 579D1 and HIST 579D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 580D1**

**Credit Weight:** 3

**Transcript Title:** European&Nat-Amer Encounters

**Calendar Title:** European and Native-American Encounters.

**Description:**
This seminar will examine European and Native encounters throughout the Americas, from the late 15th century to the mid-nineteenth century. The aim is to introduce students to key primary sources related to contact, and to the methods used to interpret them.

**Notes:**
Prerequisite (Undergraduate): Permission of instructor. Priority is given to Graduate students
Students must register for both HIST 580D1 and HIST 580D2.
No credit will be given for this course unless both HIST 580D1 and HIST 580D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Arts

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

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**HIST 580D2**
Credit Weight: 3  
Transcript Title: European & Nat-Amer Encounters  
Calendar Title: European and Native-American Encounters.  
Description:  
See HIST 580D1 for course description.  
Notes:  
Prerequisite: HIST 580D1  
No credit will be given for this course unless both HIST 580D1 and HIST 580D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 585D1  
Credit Weight: 3  
Transcript Title: Sem: Hist of Law & Socty: Can  
Calendar Title: Seminar: History of Law and Society in Canada.  
Description:  
Research seminar in the history of practices, ideas, philosophies of law in Canada according to different political, social, and cultural traditions, including Indigenous traditions, New France, Quebec civil law, British and Canadian criminal and civil law, Charter and Rights; also legal and historiographical methods, reasoning, and standards of evidence.  
Notes:  
Prerequisite: HIST 300 or permission of instructor  
Restriction: Open only to Honours students.  
Students must register for both HIST 585D1 and HIST 585D2  
No credit will be given for this course unless both HIST 585D1 and HIST 585D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 585D2  
Credit Weight: 3  
Transcript Title: Sem: Hist of Law & Socty: Can  
Calendar Title: Seminar: History of Law and Society in Canada.  
Description:  
See HIST 585D1 for course description.  
Notes:  
Prerequisite: HIST 585D1  
Restriction: Open only to Honours students.  
No credit will be given for this course unless both HIST 585D1 and HIST 585D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active  

HIST 586D1  
Credit Weight: 3  
Transcript Title: Canada: Diasporas & the State  
Calendar Title: Canada: Diasporas and the State.  
Description:  
Explores themes in the history of migration and international diasporas, and state and societal responses to immigrants  
Notes:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td>HIST 586D2</td>
<td>3</td>
<td>Canada: Diasporas &amp; the State</td>
<td>Canada: Diasporas and the State.</td>
<td>Explores themes in the history of migration and international diasporas, and state and societal responses to immigrants</td>
<td>Prerequisite: HIST 203 or permission of instructor. Restrictions: Not open to students who have taken HIST 471D1/D2. Students must register for both HIST 586D1 and HIST 586D2. No credit will be given for this course unless both HIST 586D1 and HIST 586D2 are successfully completed in consecutive terms. Administering Faculty: Faculty of Arts. Teaching Department: History and Classical Studies. Status (catalog level): Active.</td>
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<tr>
<td>HIST 587D1</td>
<td>3</td>
<td>Topics: Canadian Social History</td>
<td>Topics: Canadian Social History.</td>
<td>Topics in Canadian social history. Topic varies by year. Students must register for both HIST 587D1 and HIST 587D2. No credit will be given for this course unless both HIST 587D1 and HIST 587D2 are successfully completed in consecutive terms. Administering Faculty: Faculty of Arts. Teaching Department: History and Classical Studies. Status (catalog level): Active.</td>
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<tr>
<td>HIST 587D2</td>
<td>3</td>
<td>Topics: Canadian Social History</td>
<td>Topics: Canadian Social History.</td>
<td>See HIST 587D1 for course description. Students must register for both HIST 587D1 and HIST 587D2. No credit will be given for this course unless both HIST 587D1 and HIST 587D2 are successfully completed in consecutive terms. Administering Faculty: Faculty of Arts. Teaching Department: History and Classical Studies. Status (catalog level): Active.</td>
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<tr>
<td>HIST 588D1</td>
<td>3</td>
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<td></td>
</tr>
</tbody>
</table>
Transcript Title: History of Montreal
Calendar Title: History of Montreal.
Description:
A history of Montreal.
Notes:
Students must register for both HIST 588D1 and HIST 588D2
No credit will be given for this course unless both HIST 588D1 and HIST 588D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 588D2
Credit Weight: 3
Transcript Title: History of Montreal
Calendar Title: History of Montreal.
Description:
See HIST 588D1 for course description.
Notes:
Prerequisite: HIST 588D1
No credit will be given for this course unless both HIST 588D1 and HIST 588D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 589D1
Credit Weight: 3
Transcript Title: Topics: Hist of Women in Canada
Calendar Title: Topics: History of Women in Canada.
Description:
A research seminar on the history of women in Canada since Confederation. Students will get familiar with primary sources and are expected to produce a major research paper in the second term.
Notes:
Students must register for both HIST 589D1 and HIST 589D2
No credit will be given for this course unless both HIST 589D1 and HIST 589D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 589D2
Credit Weight: 3
Transcript Title: Topics: Hist of Women in Canada
Calendar Title: Topics: History of Women in Canada.
Description:
See HIST 589D1 for course description.
Notes:
Prerequisite: HIST 589D1
No credit will be given for this course unless both HIST 589D1 and HIST 589D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active
HIST 591D1
Credit Weight: 3
Transcript Title: Modern Middle East History
Calendar Title: Modern Middle East History.
Description:
Topics in the history of the modern Middle East.
Notes:
Prerequisite(s): HIST 240 or HIST 339 or HIST 340 or HIST 448 or permission of instructor.
Students must register for both HIST 591D1 and HIST 591D2. No credit will be given for this course unless both HIST 591D1 and HIST 591D2 are successfully completed in consecutive terms.
Restriction(s): Open only to history honours and graduate students or advanced students who have permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 591D2
Credit Weight: 3
Transcript Title: Modern Middle East History
Calendar Title: Modern Middle East History.
Description:
Topics in the history of the modern Middle East.
Notes:
Prerequisite(s): HIST 240 or HIST 339 or HIST 340 or HIST 448 or permission of instructor.
Students must register for both HIST 591D1 and HIST 591D2. No credit will be given for this course unless both HIST 591D1 and HIST 591D2 are successfully completed in consecutive terms.
Restriction(s): Open only to history honours and graduate students or advanced students who have permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 592D1
Credit Weight: 3
Transcript Title: Topics: Canadian Politics
Calendar Title: Topics: Canadian Politics.
Description:
An honours seminar on the history of politics in Canada.
Notes:
Prerequisite: HIST 202 or HIST 203 or permission of instructor
Restrictions: Open to undergraduate honours students and graduate students in history and advanced students with permission of instructor. Not open to students who have taken HIST 462D1/D2.
Students must register for both HIST 592D1 and HIST 592D2.
No credit will be given for this course unless both HIST 592D1 and HIST 592D2 are successfully completed in consecutive terms.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 592D2
Credit Weight: 3  
Transcript Title: Topics: Canadian Politics  
Calendar Title: Topics: Canadian Politics.  
Description:  
See HIST 592D1 for course description.  
Notes:  
Prerequisite: HIST 592D1  
No credit will be given for this course unless both HIST 592D1 and HIST 592D2 are successfully completed in consecutive terms.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

HIST 593D1  
Credit Weight: 3  
Transcript Title: French Atlantic Worlds: Seminar  
Calendar Title: French Atlantic Worlds: Seminar.  
Description:  
The emergence of French Atlantic Worlds from the fifteenth to the early nineteenth century. Regions include West Africa, Brazil, Canada, Acadia and the Caribbean. Themes will include transatlantic commerce and slavery, colonialism, and indigenous peoples, debates over citizenship and the Haitian Revolution.  
Notes:  
Prerequisite: HIST 202 or HIST 203 or HIST 215 or permission of instructor.  
Restriction: Restricted to graduate students and honours students or advanced students who have permission of instructor.  
Students must register for both HIST 593D1 and HIST 593D2.  
No credit will be given for this course unless both HIST 593D1 and HIST 593D2 are successfully completed in consecutive terms.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

HIST 593D2  
Credit Weight: 3  
Transcript Title: French Atlantic Worlds: Seminar  
Calendar Title: French Atlantic Worlds: Seminar.  
Description:  
See HIST 593D1 for course description.  
Notes:  
Prerequisite: HIST 593D1 and HIST 202 or HIST 203 or HIST 215 or permission of instructor.  
Restriction: Restricted to graduate students and honours students or advanced students who have permission of instructor.  
No credit will be given for this course unless both HIST 593D1 and HIST 593D2 are successfully completed in consecutive terms.  
Administering Faculty: Faculty of Arts  
Teaching Department: History and Classical Studies  
Status (catalog level): Active

HIST 594D1  
Credit Weight: 3  
Transcript Title: Seminar: Early Mod. Britain  
Calendar Title: Seminar in Early Modern Britain.  
Description:  
Topics in early modern British history.
Notes:
Prerequisite: any university course in British history or consent of instructor.
Note: Topics will vary from year to year.
Restriction: Undergraduate Honours students or Masters students in history.
Students must register for both HIST 594D1 and HIST 594D2.
No credit will be given for this course unless both HIST 594D1 and HIST 594D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 594D2
Credit Weight: 3
Transcript Title: Seminar: Early Mod. Britain
Calendar Title: Seminar in Early Modern Britain.
Description: See HIST 594D1 for course description.
Notes:
Prerequisite: HIST 594D1
No credit will be given for this course unless both HIST 594D1 and HIST 594D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 596D1
Credit Weight: 3
Transcript Title: Seminar: Cdn Health History
Calendar Title: Seminar: Canadian Health History.
Description: An exploration of the social history of public health and medical practice in Canada from the early eighteenth century to the advent of universal health care.
Notes:
Prerequisite: HIST 203 or HIST 335 or permission of instructor
Restriction: Open only to history honours and graduate students or advanced students who have permission of instructor.
Topics will vary from year to year.
Students must register for both HIST 596D1 and HIST 596D2.
No credit will be given for this course unless both HIST 596D1 and HIST 596D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 596D2
Credit Weight: 3
Transcript Title: Seminar: Cdn Health History
Calendar Title: Seminar: Canadian Health History.
Description: See HIST 596D1 for course description.
Notes:
Prerequisite: HIST 596D1
No credit will be given for this course unless both HIST 596D1 and HIST 596D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 597D1
Credit Weight: 3
Transcript Title: Seminar: Modern Europe
Calendar Title: Seminar: Modern Europe.
Description: Exploring aspects of modern European history.
Notes: Topics will vary from year to year.
Prerequisites: HIST 215 or HIST 226 or permission of instructor.
Restrictions: Open only to history honours students and graduate students or advanced students with the permission of instructor.
Students must register for both HIST 597D1 and HIST 597D2
No credit will be given for this course unless both HIST 597D1 and HIST 597D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 597D2
Credit Weight: 3
Transcript Title: Seminar: Modern Europe
Calendar Title: Seminar: Modern Europe.
Description: Exploring aspects of modern European history.
Notes: Topics will vary from year to year.
Prerequisites: HIST 215 or HIST 226 or permission of instructor.
Restrictions: Open only to history honours students and graduate students or advanced students with the permission of instructor.
Prerequisite: HIST 597D1
No credit will be given for this course unless both HIST 597D1 and HIST 597D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 598D1
Credit Weight: 3
Transcript Title: Topics in Modern U.S. History
Calendar Title: Topics in Modern U.S. History.
Description: Topics in modern U.S. history. Topic varies by year.
Notes: Students must register for both HIST 598D1 and HIST 598D2
No credit will be given for this course unless both HIST 598D1 and HIST 598D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 598D2
Credit Weight: 3
Transcript Title: Topics in Modern U.S. History
Calendar Title: Topics in Modern U.S. History.
Description:
See HIST 598D1 for course description.

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 599D1
Credit Weight: 3
Transcript Title: Honours Tutorial
Calendar Title: Honours Tutorial.
Description:
Individualized guided research on an approved topic.
Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Restricted to History Honours and Joint Honours program students. Not open to students who have taken HIST 490D1/D2.
No credit will be given for this course unless both HIST 599D1 and HIST 599D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 599D2
Credit Weight: 3
Transcript Title: Honours Tutorial
Calendar Title: Honours Tutorial.
Description:
Individualized guided research on an approved topic.
Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Restricted to History Honours and Joint Honours program students. Not open to students who have taken HIST 490D1/D2.
No credit will be given for this course unless both HIST 599D1 and HIST 599D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 601
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
An advanced introduction to the historical profession and to recent developments in historical scholarship.
Notes:
Restriction: Only open to M.A. students in the Department of History and Classical Studies.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 607
Credit Weight: 3
Transcript Title: Seminar: Ancient History
Calendar Title: Seminar: Ancient History.
Description:
Readings in and discussion of a theme in ancient Greek or Roman history.

Notes:
Topics will vary from year to year.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 611
Credit Weight: 3
Transcript Title: Subaltern & Decolonial Studies
Calendar Title: Subaltern and Decolonial Studies.
Description:
Latest methods and theories in the fields of subaltern and decolonial studies, applied to specific historical case studies. History and historiography of these approaches also emphasized.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 617
Credit Weight: 3
Transcript Title: Ancient Hist Research Methods
Calendar Title: Ancient History Research Methods.
Description:
Techniques, approaches, and strategies for conducting advanced research in ancient history.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 631
Credit Weight: 3
Transcript Title: Seminar in U.S. History
Calendar Title: Seminar in U.S. History.
Description:
Exploration of a topic in U.S. history. Topics vary from year to year.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 632
Credit Weight: 3
Transcript Title: Writing Canadian History
Calendar Title: Writing Canadian History.
Description:
Provides historiographical grounding for graduate students in the area of Canadian history. Introduces a wide variety of writings on the topic, and examines how historiographical approaches and themes have changed over time.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 633
Credit Weight: 3
Transcript Title: New France Research Seminar

Description:
Readings in and discussion of a theme in ancient Greek or Roman history.

Notes:
Topics will vary from year to year.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active
Calendar Title: New France Research Seminar.
Description: Introduction to the range of primary sources related to the history of New France (notarial, judicial, parish registers, government correspondence, cartography, travel writing, etc.) and instruction on relevant research methods.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 634
Credit Weight: 3
Transcript Title: Topics in Indigenous History
Calendar Title: Topics in Indigenous History.
Description: Intensive study of selected topics in Indigenous history. Emphasizes methodologies and recent developments in the burgeoning field of Indigenous history.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 637
Credit Weight: 3
Transcript Title: Medieval Medicine Seminar 2
Calendar Title: Medieval Medicine Seminar 2.
Description: Research paper on a theme in the history of medicine 400 to 1500.
Notes: Prerequisite: HIST 638.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 638
Credit Weight: 3
Transcript Title: Topics in European History
Calendar Title: Topics in European History.
Description: Exploration of an advanced topic in European history. Topics will vary from year to year.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 640
Credit Weight: 3
Transcript Title: Modern Medicine Seminar 1
Calendar Title: Modern Medicine Seminar 1.
Description: Reading in and discussion of a theme in the history of Western European medicine since 1700.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active
HIST 641
Credit Weight: 3
Transcript Title: Modern Medicine Seminar 2
Calendar Title: Modern Medicine Seminar 2.
Description: Research paper on a theme in the history of Western European medicine since 1700.
Notes: Winter
Prerequisite: HIST 640
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 655
Credit Weight: 6
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description: If a seminar is not available in a field judged necessary to complete the program, candidates may (with the consent of their Director of Studies and that of the Chair of the Graduate Committee) do tutorial work to replace a seminar.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 655D1
Credit Weight: 3
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description: If a seminar is not available in a field judged necessary to complete the program, candidates may (with the consent of their Director of Studies and that of the Chair of the Graduate Committee) do tutorial work to replace a seminar.
Notes: Students must register for both HIST 655D1 and HIST 655D2
No credit will be given for this course unless both HIST 655D1 and HIST 655D2 are successfully completed in consecutive terms
HIST 655D1 and HIST 655D2 together are equivalent to HIST 655
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 655D2
Credit Weight: 3
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description: See HIST 655D1 for course description.
Notes: Prerequisite: HIST 655D1
No credit will be given for this course unless both HIST 655D1 and HIST 655D2 are successfully completed in consecutive terms
HIST 655D1 and HIST 655D2 together are equivalent to HIST 655
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 656D1
Credit Weight: 3
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description:
Individualized guided research on an approved topic.
Notes:
Students must register for both HIST 656D1 and HIST 656D2.
No credit will be given for this course unless both HIST 656D1 and HIST 656D2 are successfully completed in consecutive terms.
Administrating Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 656D2
Credit Weight: 3
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description:
See HIST 656D1 for course description.
Notes:
Prerequisite: HIST 656D1.
No credit will be given for this course unless both HIST 656D1 and HIST 656D2 are successfully completed in consecutive terms.
Administrating Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 659
Credit Weight: 3
Transcript Title: Interdisc Sem in European Stud
Calendar Title: Interdisciplinary Seminar in European Studies.
Description:
Interdisciplinary seminar on a theme relevant to the study of Europe.
Notes:
Restriction: Only open to students in European Studies Option.
Administrating Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 660D1
Credit Weight: 3
Transcript Title: Topics:African Social History2
Calendar Title: Topics: African Social History 2.
Description:
Topics in African social history. This is a seminar open to M.A. or Ph.D. students during which students will be expected to write a major research paper.
Notes:
Topics will vary by year.
Students must register for both HIST 660D1 and HIST 660D2.
No credit will be given for this course unless both HIST 660D1 and HIST 660D2 are successfully completed in consecutive terms.
Administrating Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 660D2
Credit Weight: 3
Transcript Title: Topics: African Social History 2
Calendar Title: Topics: African Social History 2.
Description: Topics in African social history. This is a seminar open to M.A. or Ph.D, students during which students will be expected to write a major research paper.
Notes: Prerequisite: HIST 660D1
Students must register for both HIST 660D1 and HIST 660D2.
No credit will be given for this course unless both HIST 660D1 and HIST 660D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 678
Credit Weight: 3
Transcript Title: Historiography
Calendar Title: Historiography.
Description: This seminar examines the fundamentals of historical theory: developing a clear understanding of exactly why history has a "theory". The philosophic language and modes of reasoning necessary to understand historical theory are introduced.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 679
Credit Weight: 3
Transcript Title: Historical Methods
Calendar Title: Historical Methods.
Description: An examination of the major approaches to historical interpretation through the reading of important works of historical scholarship.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 680
Credit Weight: 3
Transcript Title: Empire and Colonialisms
Calendar Title: Empire and Colonialisms.
Description: Themes and approaches in the history of empire and colonialisms.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 681
Credit Weight: 3
Transcript Title: Grad Sem in Economic History
Calendar Title: Graduate Seminar in Economic History.
Description:
Themes and approaches in economic history.

Notes:
Prerequisite: HIST 680.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 682
Credit Weight: 3
Transcript Title: Grad Seminar: Topics in History
Calendar Title: Graduate Seminar: Topics in History.
Description:
A selected topic in history.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 685
Credit Weight: 3
Transcript Title: Directed Research
Calendar Title: Directed Research.
Description:
Investigation of a specialized topic under the supervision of a faculty member.

Notes:
Corequisite: HIST 684.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 696
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 696D1
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Students must register for both HIST 696D1 and HIST 696D2
No credit will be given for this course unless both HIST 696D1 and HIST 696D2 are successfully completed in consecutive terms
HIST 696D1 and HIST 696D2 together are equivalent to HIST 696

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active
HIST 696D2
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: See HIST 696D1 for course description.
Notes: Prerequisite: HIST 696D1
No credit will be given for this course unless both HIST 696D1 and HIST 696D2 are successfully completed in consecutive terms
HIST 696D1 and HIST 696D2 together are equivalent to HIST 696
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 697
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 698
Credit Weight: 15
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 699
Credit Weight: 3
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description: Individualized guided research on an approved topic.
Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 699D1
Credit Weight: 1.5
Transcript Title: Tutorial
Calendar Title: Tutorial.
Description: Individualized guided research on an approved topic.
Notes: Students must register for both HIST 699D1 and HIST 699D2
No credit will be given for this course unless both HIST 699D1 and HIST 699D2 are successfully completed in consecutive terms. HIST 699D1 and HIST 699D2 together are equivalent to HIST 699.

Administering Faculty: Graduate Studies

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 699D2

Credit Weight: 1.5

Transcript Title: Tutorial

Calendar Title: Tutorial.

Description:
See HIST 699D1 for course description.

Notes:
Prerequisite: HIST 699D1

No credit will be given for this course unless both HIST 699D1 and HIST 699D2 are successfully completed in consecutive terms. HIST 699D1 and HIST 699D2 together are equivalent to HIST 699.

Administering Faculty: Graduate Studies

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 701

Credit Weight: 3

Transcript Title: Doctoral Seminar

Calendar Title: Doctoral Seminar.

Description:
An advanced introduction to the historical profession and to recent developments in historical scholarship.

Notes:
As one of the requirements of the course, students must submit complete reading lists for the comprehensive examinations in each of their fields.

Administering Faculty: Graduate Studies

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 702

Credit Weight: 0

Transcript Title: Comprehensive Exam-Major Field

Calendar Title: Comprehensive Examination - Major Field.

Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Notes:
As one of the requirements of the course, students must submit complete reading lists for the comprehensive examinations in each of their fields.

Administering Faculty: Graduate Studies

Teaching Department: History and Classical Studies

Status (catalog level): Active

HIST 702D1

Credit Weight: 0

Transcript Title: Comprehensive Exam-Major Field

Calendar Title: Comprehensive Examination - Major Field.

Description:
An examination that must be passed by all doctoral candidates in order to continue
in the doctoral program.

**Notes:**
Students must register for both HIST 702D1 and HIST 702D2
No credit will be given for this course unless both HIST 702D1 and HIST 702D2 are successfully completed in consecutive terms
HIST 702D1 and HIST 702D2 together are equivalent to HIST 702

**Administering Faculty:** Graduate Studies

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 702D2**

**Credit Weight:** 0

**Transcript Title:** Comprehensive Exam-Major Field

**Calendar Title:** Comprehensive Examination - Major Field.

**Description:**
See HIST 702D1 for course description.

**Notes:**
Prerequisite: HIST 702D1
No credit will be given for this course unless both HIST 702D1 and HIST 702D2 are successfully completed in consecutive terms
HIST 702D1 and HIST 702D2 together are equivalent to HIST 702

**Administering Faculty:** Graduate Studies

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 703**

**Credit Weight:** 0

**Transcript Title:** Comp Exam-1st Minor Fld

**Calendar Title:** Comprehensive Examination - First Minor Field.

**Description:**
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 703D1**

**Credit Weight:** 0

**Transcript Title:** Comp Exam-1st Minor Fld

**Calendar Title:** Comprehensive Examination - First Minor Field.

**Description:**
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

**Notes:**
Students must register for both HIST 703D1 and HIST 703D2
No credit will be given for this course unless both HIST 703D1 and HIST 703D2 are successfully completed in consecutive terms
HIST 703D1 and HIST 703D2 together are equivalent to HIST 703

**Administering Faculty:** Graduate Studies

**Teaching Department:** History and Classical Studies

**Status (catalog level):** Active

**HIST 703D2**

**Credit Weight:** 0

**Transcript Title:** Comp Exam-1st Minor Fld

**Calendar Title:** Comprehensive Examination - First Minor Field.

**Description:**
See HIST 703D1 for course description.

Notes:
Prerequisite: HIST 703D1
No credit will be given for this course unless both HIST 703D1 and HIST 703D2 are successfully completed in consecutive terms.
HIST 703D1 and HIST 703D2 together are equivalent to HIST 703

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 704
Credit Weight: 0
Transcript Title: Comp Exam-2nd Minor Fld
Calendar Title: Comprehensive Examination - Second Minor Field.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 704D1
Credit Weight: 0
Transcript Title: Comp Exam-2nd Minor Fld
Calendar Title: Comprehensive Examination - Second Minor Field.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Notes:
Students must register for both HIST 704D1 and HIST 704D2
No credit will be given for this course unless both HIST 704D1 and HIST 704D2 are successfully completed in consecutive terms.
HIST 704D1 and HIST 704D2 together are equivalent to HIST 704

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active

HIST 704D2
Credit Weight: 0
Transcript Title: Comp Exam-2nd Minor Fld
Calendar Title: Comprehensive Examination - Second Minor Field.
Description:
See HIST 704D1 for course description.

Notes:
Prerequisite: HIST 704D1
No credit will be given for this course unless both HIST 704D1 and HIST 704D2 are successfully completed in consecutive terms.
HIST 704D1 and HIST 704D2 together are equivalent to HIST 704

Administering Faculty: Graduate Studies
Teaching Department: History and Classical Studies
Status (catalog level): Active
HPSC 300
Credit Weight: 3
Transcript Title: Indpend St: Hist & Phil of Sci
Calendar Title: Independent Studies: History and Philosophy of Science.
Description:
Offered by special arrangement between students in Arts or Science and a professor in either a Science or a Social Science Department. The purpose is to enable a student to undertake for credit the study of a special topic in the History or the Philosophy of Science.
Notes:
Restriction: Permission of Director and History & Philosophy of Science Committee
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

HPSC 500
Credit Weight: 3
Transcript Title: Interdisc Sem:Hist&Phil of Sci
Calendar Title: Interdisciplinary Seminar: History & Philosophy of Science.
Description:
At least one topic will be chosen from each of the four major areas: the mathematical, the physical, the biological, the social sciences.
Notes:
Restriction: none
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active
HSED 601
Credit Weight: 3
Transcript Title: Intro to Leadership in HSE
Calendar Title: Introduction to Leadership in Health Sciences Education.  
Description:
Overview of the major leadership issues encountered by emerging leaders in health sciences education, including competencies and skills needed to function as a leader.
Notes:
1. The blended format requires a total of 130 hours of learning time. This will be achieved by 15 hours of face-to-face instruction, 65 hours of online synchronous and asynchronous instruction, and 50 hours of individual work including readings, assignments and projects.
Administering Faculty: Graduate Studies
Teaching Department: Health Sciences Education
Status (catalog level): Active

HSED 602
Credit Weight: 3
Transcript Title: Intro to Scholarship in HSE
Calendar Title: Introduction to Scholarship in Health Sciences Education.  
Description:
Foundations in health sciences education including a broad introduction to ideas of scholarship, research and evidence-based practice, and theory-informed educational decision-making. Essentials of different research traditions and methodological approaches to advance, use, and critically evaluate works of scholarship in health sciences education. Fundamentals of ethical research, knowledge translation, and dissemination for responsible application of knowledge to important problems.
Notes:
1. The blended format requires a total of 130 hours of learning time. This will be achieved by 15 hours of face-to-face instruction, 65 hours of online synchronous and asynchronous instruction, and 50 hours of individual work including readings, assignments and projects.
Administering Faculty: Graduate Studies
Teaching Department: Health Sciences Education
Status (catalog level): Active

HSED 701
Credit Weight: 0
Transcript Title: PhD Comprehensive Examination
Calendar Title: PhD Comprehensive Examination.  
Description:
An examination process covering two components: a written component and an oral component. Submission of a written proposal for examination which, following responses or amendments and re-examination, is the basis of an oral examination. The comprehensive examination must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Prerequisites: HSED 702, HSED 703
Language of instruction is English
Administering Faculty: Graduate Studies
Teaching Department: Health Sciences Education
Status (catalog level): Active

HSED 702D1
Credit Weight: 3
**Transcript Title:** Advanced Topics in HSE

**Calendar Title:** Advanced Topics in Health Sciences Education.

**Description:**
The relationship between research knowledge and health educational practice, including the continuum of knowledge creation and engagement; education and healthcare systems, including research on: policy, governance and regulation; program design and teaching and learning approaches in health sciences education (HSE); assessment and evaluation frameworks, including: quantitative and qualitative approaches; social accountability in HSE and HSE research including: equity, diversity and inclusion; and professional research skills, including: research management, academic communication in various genres, and research supervision.

**Notes:**
Prerequisite: Permission of the Instructor
Students must register for both HSED 702D1 and HSED 702D2
No credit will be given for this course unless both HSED 702D1 and HSED 702D2 are successfully completed in consecutive terms
Language of instruction is English.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Health Sciences Education

**Status (catalog level):** Active

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**HSED 702D2**

**Credit Weight:** 3

**Transcript Title:** Advanced Topics in HSE

**Calendar Title:** Advanced Topics in Health Sciences Education.

**Description:**
For description see HSED 702D1.

**Notes:**
Prerequisite: HSED 702D1
No credit will be given for this course unless both HSED 702D1 and HSED 702D2 are successfully completed in consecutive terms
Language of instruction is English.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Health Sciences Education

**Status (catalog level):** Active

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**HSED 703**

**Credit Weight:** 3

**Transcript Title:** Research Design for HSE

**Calendar Title:** Research Design for Health Sciences Education.

**Description:**
Various frameworks, theories and methodologies that contribute to health sciences education (HSE) research, and how these elements fit together to make a particular project coherent. Examination of the character of inter-disciplinary academic contributions and foci in HSE research. Emphasis on different types of research perspectives (such as constructionism, postmodernism and positivism) and approaches (qualitative, quantitative, participatory and mixed-methods).

**Notes:**
Prerequisite: Permission of the Instructor
Language of Instruction is English.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Health Sciences Education

**Status (catalog level):** Active

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**HSED 704**
Credit Weight: 3
Transcript Title: Advanced Qualitative Research
Calendar Title: Advanced Qualitative Research.
Description:
Review various philosophical and theoretical perspectives that underpin schools of qualitative inquiry and identify perspectives relevant to coherent and rigorous research design; identify consequences for validity of particular methodological choices from the range of forms that each particular methodology takes; explore theoretical perspectives relevant to their research interests; investigate implications for the design and appraisal of qualitative research in health and social care; defensible knowledge claims from a qualitative research perspective; consider approaches to representing and writing and qualitative research; and specialized terminology in the field.
Notes:
Prerequisite: Permission of the instructor.
Must have completed an introduction to a qualitative research course.
Priority given to Institute of Health Sciences Education students.
Administering Faculty: Graduate Studies
Teaching Department: Health Sciences Education
Status (catalog level): Active
HSEL 308
Credit Weight: 3
Transcript Title: Issues in Women's Health
Calendar Title: Issues in Women's Health.
Description:
Exploration of a wide range of topics on the health of women. Topics include use of health care system, poverty, roles, immigration, body image, lesbian health, and violence against women. Additional topics vary by year. A Health Science elective open to students in the Faculties of Arts, Science, and Medicine.
Notes:
Fall
Prerequisite: Introductory Psychology or Sociology or permission of the instructor
Complementary course for the Women's Studies Concentration
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

HSEL 309
Credit Weight: 3
Transcript Title: Women's Reproductive Health
Calendar Title: Women's Reproductive Health.
Description:
Notes:
Winter
Prerequisite: Introductory Psychology or Sociology or permission of the instructor
Restriction: not open for credit to students who have taken HSEL 308 prior to September 1997
Complementary course for the Women's Studies and Social Studies of Medicine Concentrations
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
HSSM 604
Credit Weight: 3
Transcript Title: History of Medicine
Calendar Title: History of Medicine.
Description:
Tutorial.
Administering Faculty: Graduate Studies
Teaching Department: Social Studies of Medicine
Status (catalog level): Active

HSSM 605
Credit Weight: 3
Transcript Title: Medical Anthropology
Calendar Title: Medical Anthropology.
Description:
Seminar in the anthropology of medicine.
Administering Faculty: Graduate Studies
Teaching Department: Social Studies of Medicine
Status (catalog level): Active

HSSM 610
Credit Weight: 3
Transcript Title: Sociology of Medicine
Calendar Title: Sociology of Medicine.
Description:
Seminar in the sociology of medicine.
Administering Faculty: Graduate Studies
Teaching Department: Social Studies of Medicine
Status (catalog level): Active
IDFC 300
Credit Weight: 3
Transcript Title: Lean Oprtnl Pracs in Pub Servs
Calendar Title: Lean Operational Practices in Public Services.
Description: Lean principles and methods that can be applied to meet the demands for efficiency and quality in the public sector, encompassing a value-oriented approach to process improvement through waste elimination, flow, demand pull and perfection aiming to achieve operational excellence.
Notes: This course will be delivered in Nunavik.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

IDFC 500
Credit Weight: 3
Transcript Title: Indigenous Field Studies
Calendar Title: Indigenous Field Studies.
Description: Intensive field course that focuses on First Nations, Métis and Inuit cultures and worldviews, with particular emphasis on linkages to practice areas and integration across disciplinary silos. Attention is given to the effects of Canadian legal, health and social welfare policies on contemporary First Nations, Métis and Inuit societies.
Notes: Restrictions: The course is only open to students in Social Work, Anthropology, Law and Medicine or by permission of the instructor. Not open to students who have taken IDFC 380.
This intensive course includes 1 week where students live in the field. The field portion of the course may involve rugged field conditions and varying weather for which students must be prepared and equipped.
A fee of $421.56 is charged to all students registered in IDFC 500 delivered in Montreal. The fee covers food, activities, land use, and other site expenses.
**This course will be held on May 1, 2, 4, 5, 8, 9, 10, 12, 15, 16, 17, 18, 19, 23, 24, 25 & 29.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active
IGFS 611

Credit Weight: 3

Transcript Title: Adv. Issues on Dev. Food&Agric

Calendar Title: Advanced Issues on Development, Food and Agriculture.

Description:
A comprehensive view and understanding of world issues (agronomic, environmental and socio-economic) affecting development, poverty, hunger and food security. Topics cover rural development; soil and water management; climate change; demographic issues; gender equality; fair-trade food; plant and animal resources conservation; bio-products and biofuels; and economic and environmental issues – especially in tropical and sub-tropical regions. Globalization, sustainable development in agriculture, technology transfer and human-resources needs for rural development. Students attend guest lectures, interact with domain experts, and participate in round-table discussions. Students prepare a development project in the form of a funding application, following the norms of an established agency.

Notes:
Restriction: Not open to students who have taken or are taking AGRI 411

Administering Faculty: Graduate Studies

Teaching Department: Inst. of Global Food Security

Status (catalog level): Active
IMED 301
Credit Weight: 7
Transcript Title: TCP Internal Medicine
Calendar Title: TCP Internal Medicine.
Description:
In this seven-week course, students build on communication and physical examination skills introduced in previous courses, develop diagnostic reasoning skills (including problem formulation and differential diagnosis) and expand their knowledge of clinical problems common to Internal Medicine. Students participate in bedside and seminar small group sessions with tutors, casebased discussions, and group teaching sessions. Students also perform history and physical examinations on patients, submit case reports with discussions of relevant pathophysiology and present patient cases orally to their tutors. Students use their own patient cases and those of their peers to generate and act on personal learning opportunities.
Notes:
Restriction(s): Open only to students in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

IMED 401
Credit Weight: 8
Transcript Title: Internal Medicine Clerkship
Calendar Title: Internal Medicine Clerkship.
Description:
The main goals of the internal medicine clerkship are to further develop the student¿s ability to function as an increasingly independent, but supervised and safe, clinician in an interprofessional health care team. Students learn, while practicing, both for and from patients. Students, under the supervision of residents and attending physicians, are responsible for performing and documenting histories, physicals, lab and radiology data summaries, and patient problem lists for newly admitted patients, as well as patients being seen in consultation in the outpatient and non-internal medicine ward settings; and the ongoing care, management, follow-up and discharge planning of patients in each of the above settings.
Notes:
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

IMED 401D1
Credit Weight: 4
Transcript Title: Internal Medicine Clerkship
Calendar Title: Internal Medicine Clerkship.
Description:
The main goals of the internal medicine clerkship are to further develop the student¿s ability to function as an increasingly independent, but supervised and safe, clinician in an interprofessional health care team. Students learn, while practicing, both for and from patients. Students, under the supervision of residents and attending physicians, are responsible for performing and documenting histories, physicals, lab and radiology data summaries, and patient problem lists for newly admitted patients, as well as patients being seen in consultation in the outpatient and non-internal medicine ward settings; and the ongoing care, management, follow-up and discharge planning of patients in each of the above settings.
Notes:
Students must register for both IMED 401D1 and IMED 401D2.
No credit will be given for this course unless both IMED 401D1 and IMED 401D2 are successfully completed in consecutive terms
IMED 401D1 and IMED 401D2 together are equivalent to IMED 401
Restriction(s):  Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

IMED 401D2
Credit Weight: 4
Transcript Title: Internal Medicine Clerkship
Calendar Title: Internal Medicine Clerkship.
Description:
The main goals of the internal medicine clerkship are to further develop the student¿s ability to function as an increasingly independent, but supervised and safe, clinician in an interprofessional health care team. Students learn, while practicing, both for and from patients. Students, under the supervision of residents and attending physicians, are responsible for performing and documenting histories, physicals, lab and radiology data summaries, and patient problem lists for newly admitted patients, as well as patients being seen in consultation in the outpatient and non-internal medicine ward settings; and the ongoing care, management, follow-up and discharge planning of patients in each of the above settings.

Notes:
Prerequisite: IMED 401D1
No credit will be given for this course unless both IMED 401D1 and IMED 401D2 are successfully completed in consecutive terms
IMED 401D1 and IMED 401D2 together are equivalent to IMED 401
Restriction(s):  Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

IMED 407
Credit Weight: 4
Transcript Title: Geriatric Medicine Clerkship
Calendar Title: Geriatric Medicine Clerkship.
Description:
The goal of the UGME curriculum in geriatrics is to provide the foundation for competent, compassionate care of older patients, particularly the frail elderly. The Geriatric Medicine clerkship will emphasize the medical basis of Geriatric Medicine and the differences in medical care for frail older patients. It will provide students with an intensive clinical experience in a variety of Geriatric Medicine settings, including clinic, day hospital, emergency department and ward settings as well as an opportunity to work in an interdisciplin ary team.

Notes:
Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
INDG 200
Credit Weight: 3
Transcript Title: Intro. to Indigenous Studies
Calendar Title: Introduction to Indigenous Studies.
Description:
The focus is on Indigenous experience in Canada, but encourages comparative approaches. Introduction to the social, political, economic and cultural dimensions of Indigenous life in Canada.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

INDG 202
Credit Weight: 3
Transcript Title: Topics in Indigenous Studies 1
Calendar Title: Topics in Indigenous Studies 1.
Description:
Drawing upon and introducing the burgeoning field of Indigenous Studies, this course is designed to be an introduction to selected themes and topics in Indigenous Studies. Possible examples: Indigenous health, Haudenosaunne culture etc. Topics vary from year to year.
Notes:
Supplementary Calendar Info: INDG 202 and INDG 300 are NOT a sequence of courses.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

INDG 300
Credit Weight: 3
Transcript Title: Topics in Indigenous Studies 2
Calendar Title: Topics in Indigenous Studies 2.
Description:
This course is designed to examine specific themes and topics in Indigenous Studies. Possible examples: Haudenosaunee governance etc. Topics vary from year to year.
Notes:
Supplementary Calendar Info: INDG 202 and INDG 300 are NOT a sequence of courses.
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

INDG 301
Credit Weight: 3
Transcript Title: Indigenous Contemporary Resist
Calendar Title: Indigenous Contemporary Resistance.
Description:
In-depth and experiential examination of contemporary Indigenous resistance movements based on Indigenous worldviews and land-based knowledge.
Notes:
Prerequisite: INDG 200
Restrictions: Not open to students who have taken INDG 202 when topic was "Contemporary Indigenous Resistance".
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

INDG 302
**Credit Weight:** 3  
**Transcript Title:** Introduction to Kanien'ké:ha  
**Calendar Title:** Introduction to Kanien'ké:ha.  
**Description:**  
Foundations of the Kanien'ké:ha language and Haudenosaunee worldviews, including reading and speaking basic Kanien'ké:ha, using key words and phrases to communicate basic needs, and the noun-based morphology and grammatical structure of the language.  
**Notes:**  
Restrictions: Not open to students who have taken INDG 202 when topic was "Introduction to Kanien'ké:ha".  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Institute for Study of Canada  
**Status (catalog level):** Active

**INDG 400**  
**Credit Weight:** 3  
**Transcript Title:** Seminar: Indigenous Studies  
**Calendar Title:** Seminar: Indigenous Studies.  
**Description:**  
This advanced course is designed to examine specific topics and themes in Indigenous Studies. Possible examples: Indigenous research methodologies. Topics vary from year to year.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Institute for Study of Canada  
**Status (catalog level):** Active

**INDG 401**  
**Credit Weight:** 3  
**Transcript Title:** Interdisc Seminar: Indigenous St  
**Calendar Title:** Interdisciplinary Seminar in Indigenous Studies.  
**Description:**  
The focus is on Indigenous experience in Canada, but encourages comparative approaches. Capstone seminar course offering an in-depth focus on one or more issues in Indigenous Studies.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Institute for Study of Canada  
**Status (catalog level):** Active

**INDG 420**  
**Credit Weight:** 3  
**Transcript Title:** Indigenous Food Sovereignty  
**Calendar Title:** Indigenous Food Sovereignty.  
**Description:**  
Examination of food sovereignty as it relates to First Nation, Inuit, and Métis and their connection to the land as sustenance. The focus is on natural food sources and practices.  
**Notes:**  
Prerequisite: INDG 200  
Restriction: Not open to students who have taken INDG 400 when the topic was " Indigenous Food Sovereignty "  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Institute for Study of Canada  
**Status (catalog level):** Active

**INDG 450**
Credit Weight: 3

Transcript Title: Rotinonhsón:ni Land-Based Pedagogy

Calendar Title: Rotinonhsón:ni Land-Based Pedagogy.

Description:
The teachings of land, Ohen:ton Karihwátehkwen (Words before all Else) as well as stories that engage in the multiple tenets of Indigenous land-based education. Land-based practices and Indigenous literature. Participation is based on the values of Skén:nen (peace), Kahsatsténhsera (united strength), Ka'nikonhrí:io (good mind).

Notes:
Prerequisites: Required INDG 200, INDG 401 is recommended but not required.
Restrictions: Open to students in the Indigenous Studies Program or with permission of the instructor
This is an intensive summer field course.

Administering Faculty: Faculty of Arts

Teaching Department: Institute for Study of Canada

Status (catalog level): Active
INDR 294
Credit Weight: 3
Transcript Title: Intro to Labour-Mgmt Relations
Calendar Title: Introduction to Labour-Management Relations.
Description:
An introduction to labour-management relations, the structure, function and
government of labour unions, labour legislation, the collective bargaining
process, and the public interest in industrial relations.
Notes:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INDR 449
Credit Weight: 3
Transcript Title: Occupational Health & Safety
Calendar Title: Occupational Health and Safety.
Description:
Examines the public policy of occupational health and safety in Canada as well as
the dynamics of contemporary occupational health and safety management. Topics
include occupational safety and health, human rights and workers' compensation
legislation, accident prevention and investigation, ergonomics, safety training,
and workers' compensation claims management.
Notes:
Prerequisite: INDR 294
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INDR 459
Credit Weight: 3
Transcript Title: Comparative Employ. Relations
Calendar Title: Comparative Employment Relations.
Description:
Comparison of employment relations in current socio-political and economic context
of a variety of nations. Emphasis on historical and recent developments in
labour-management relations, labour legislation, institutional structures,
collective bargaining, contract coverage, and the role of multi-national
 corporations.
Notes:
Prequisite: INDR 294
Restrictions: Open to U2 and U3 students.
INDR459 focuses on traditional industrial relations topics (unionization,
collective bargaining, etc.) and complements INDR492 which deals with labour
policies in general and in comparative perspective.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INDR 492
Credit Weight: 3
Transcript Title: Globalization & Labour Policy
Calendar Title: Globalization and Labour Policy.
Description:
Exploration of contemporary labour policies around the world in the context of
globalization. Topics include labour market functioning, international trade,
technological change, flexibility, employment standards, protective legislation,
employment practices.

Notes:
- Prerequisite: INDR 294

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INDR 494
Credit Weight: 3
Transcript Title: Labour Law
Calendar Title: Labour Law.
Description:
Introduction to the basic concepts of labour law relevant to the practice of industrial relations. Historical development of labour law in certain social and legal systems and the culmination in the legislative enactments and jurisprudence of Canadian jurisdictions and certain comparative foreign models.

Notes:
- Prerequisite: INDR 294
- Restriction: Open only to U2, U3 students.

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INDR 496
Credit Weight: 3
Transcript Title: Collective Bargaining
Calendar Title: Collective Bargaining.
Description:
Principles of collective bargaining in Canada and abroad. Problem oriented. Mock collective bargaining sessions provide an opportunity for students to apply knowledge gained.

Notes:
- Prerequisite: INDR 294

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INDR 499
Credit Weight: 3
Transcript Title: Internship in I.R.
Calendar Title: Internship in Industrial Relations.
Description:
Internship with an approved host institution or organization.

Notes:
- Restriction: Open to U2 and U3 students after completing 30 credits of a 90 credits program or 45 credits of a 96-120 credit program, a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will normally not fulfill program requirements for seminar or 400-level courses. A letter from a supervisor at the institution must attest to successful completion of the student's tenure.

Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

INDR 633
Credit Weight: 3
Transcript Title: Creating Wealth & Prosperity
**Calendar Title:** Creating Wealth and Prosperity.

**Description:**
The objective of the course is to show the similarities and differences between the ways governments can create prosperity, and the ways companies can create wealth. The first part of the course covers topics in economic policy (what makes some countries, regions prosper and others fall behind), the second part covers financial, managerial and strategic topics companies face (what makes their market value increase and what makes this value diminish).

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active
INDS 111
Credit Weight: 6
Transcript Title: Molecules to Global Health
Calendar Title: Molecules to Global Health.
Description:
Introduction to the scope of medical and dental practice, from the molecular to global health. Basic principles of pathology and pharmacology, concepts of disease, and the role of the physician and dentist in the Canadian health care system.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 112
Credit Weight: 6
Transcript Title: Respiration
Calendar Title: Respiration.
Description:
Introduction to the anatomy, physiology, pathology, and therapeutics of respiratory system diseases as well as elements of the physical examination and clinical interview relevant to pulmonary disease will be introduced to students.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 113
Credit Weight: 8
Transcript Title: Circulation
Calendar Title: Circulation.
Description:
Introduction to anatomy, physiology, pathology, and therapeutics of cardiac and circulatory diseases and elements of the physical examination and clinical interview relevant to cardiac disease.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 114
Credit Weight: 8
Transcript Title: Digestion and Metabolism
Calendar Title: Digestion and Metabolism.
Description:
Introduction to the anatomy, physiology, pathology, and therapeutics of gastrointestinal and hepatobiliary diseases and metabolic disorders as well as elements of the physical examination and clinical interview relevant to these conditions.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
INDS 115
Credit Weight: 6
Transcript Title: Renal
Calendar Title: Renal.
Description:
Introduction to the anatomy, physiology, pathology, and therapeutics of renal
diseases and electrolyte disorders as well as elements of the physical examination
and clinical interview relevant to renal diseases.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 116
Credit Weight: 6
Transcript Title: Defense
Calendar Title: Defense.
Description:
Introduction to the anatomy, physiology, pathology, and therapeutics of infectious
diseases, immunological disorders, and diseases of the skin as well as elements of
the physical examination and clinical interview relevant to these conditions.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 117
Credit Weight: 6
Transcript Title: Infection
Calendar Title: Infection.
Description:
Introduction to anatomy, physiology, pathology, and therapeutics of endocrine
disorders as well as elements of the physical examination and clinical interview
relevant to these conditions.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 118
Credit Weight: 6
Transcript Title: Movement
Calendar Title: Movement.
Description:
Introduction to the anatomy, physiology, pathology, and therapeutics of disorders
of bones, joints, muscles and peripheral nerves as well as elements of the
physical examination and clinical interview relevant to these conditions.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
INDS 119D1
Credit Weight: 1.5
Transcript Title: Clinical Method 1
Calendar Title: Clinical Method 1.
Description:
Introduction to medical interviewing and communication skills using the Calgary-Cambridge approach, to foundational physical examination skills and writing case history using the McGill Case Report template.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Students must register for both INDS 119D1 and INDS 119D2
No credit will be given for this course unless both INDS 119D1 and INDS 119D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 119D2
Credit Weight: 1.5
Transcript Title: Clinical Method 1
Calendar Title: Clinical Method 1.
Description:
Introduction to medical interviewing and communication skills using the Calgary-Cambridge approach, to foundational physical examination skills and writing case history using the McGill Case Report template.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Prerequisite: INDS 119D1
No credit will be given for this course unless both INDS 119D1 and INDS 119D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 119J1
Credit Weight: 1
Transcript Title: Clinical Method 1
Calendar Title: Clinical Method 1.
Description:
Introduction to medical interviewing and communication skills using the Calgary-Cambridge approach, to foundational physical examination skills and writing case history using the McGill Case Report template.
Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Students must also register for INDS 119J2 and INDS 119J3.
No credit will be given for this course unless INDS 119J1, INDS 119J2 and INDS 119J3 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 119J2
Credit Weight: 1
Transcript Title: Clinical Method 1
Calendar Title: Clinical Method 1.
Description:
Introduction to medical interviewing and communication skills using the Calgary-Cambridge approach, to foundational physical examination skills and writing case history using the McGill Case Report template.

Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Prerequisite: INDS 119J1
Students must register for INDS 119J3
No credit will be given for this course unless INDS 119J1, INDS 119J2 and INDS 119J3 are successfully completed in consecutive terms

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 119J3
Credit Weight: 1
Transcript Title: Clinical Method 1
Calendar Title: Clinical Method 1.
Description:
Introduction to medical interviewing and communication skills using the Calgary-Cambridge approach, to foundational physical examination skills and writing case history using the McGill Case Report template.

Notes:
Restriction(s): Open to students in the M.D., C.M. and D.M.D. programs only.
Prerequisite: INDS 119J2
No credit will be given for this course unless INDS 119J1, INDS 119J2 and INDS 119J3 are successfully completed in consecutive terms

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 120
Credit Weight: 3
Transcript Title: Physicianship 1
Calendar Title: Physicianship 1.
Description:
The following themes will be introduced: the physician as professional and healer, building the physician/patient alliance, the clinical method. Specific topics that will be covered include: observation skills, skillful listening, life cycle, content of the medical interview, issues in death and dying, and methodology for ethical decision-making.

Notes:
Restriction: M.D., C.M. and D.D.M. students only.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 120D1
Credit Weight: 1.5
Transcript Title: Physicianship 1
Calendar Title: Physicianship 1.
Description:
The following themes will be introduced: the physician as professional and healer, building the physician/patient alliance, the clinical method. Specific topics that will be covered include: observation skills, skillful listening, life cycle, content of the medical interview, issues in death and dying, and methodology for
ethical decision-making.

Notes:
Restriction: M.D., C.M. and D.D.M. students only.
Students must register for both INDS 120D1 and INDS 120D2.
No credit will be given for this course unless both INDS 120D1 and INDS 120D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 120D2
Credit Weight: 1.5
Transcript Title: Physicianship 1
Calendar Title: Physicianship 1.
Description:
See INDS 120D1 for course description.

Notes:
Prerequisite: INDS 120D1.
No credit will be given for this course unless both INDS 120D1 and INDS 120D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 120J1
Credit Weight: 1
Transcript Title: Physicianship 1
Calendar Title: Physicianship 1.
Description:
The following themes will be introduced: the physician as professional and healer, building the physician/patient alliance, the clinical method. Specific topics that will be covered include: observation skills, skillful listening, life cycle, content of the medical interview, issues in death and dying, and methodology for ethical decision-making.

Notes:
Restrictions: M.D., C.M. and D.D.M. students only.
Students must also register for INDS 120J2 and INDS 120J3.
No credit will be given for this course unless INDS 120J1, INDS 120J2 and INDS 120J3 are all successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 120J2
Credit Weight: 1
Transcript Title: Physicianship 1
Calendar Title: Physicianship 1.
Description:
See INDS 120J1 for course description.

Notes:
Prerequisite: INDS 120J1
Students must also register for INDS 120J3.
No credit will be given for this course unless INDS 120J1, INDS 120J2 and INDS 120J3 are all successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active
**INDS 120J3**

**Credit Weight:** 1

**Transcript Title:** Physicianship 1

**Calendar Title:** Physicianship 1.

**Description:**
See INDS 120J1 for course description.

**Notes:**
- Prerequisite: INDS 120J2
- No credit will be given for this course unless INDS 120J1, INDS 120J2 and INDS 120J3 are all successfully completed in consecutive terms

**Administering Faculty:** Faculty of Medicine & Hlth Sci

**Teaching Department:** Medicine

**Status (catalog level):** Active

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**INDS 122**

**Credit Weight:** 2

**Transcript Title:** Physician Apprenticeship 1

**Calendar Title:** Physician Apprenticeship 1.

**Description:**
This course will guide and mentor students in their transition from laymanship to physicianship. It will promote professionalism, the healing role of the physician, a patient-centered approach and self-reflection.

**Notes:**
- Open to students in the M.D.,C.M. program only.

**Administering Faculty:** Faculty of Medicine & Hlth Sci

**Teaching Department:** Medicine

**Status (catalog level):** Active

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**INDS 122D1**

**Credit Weight:** 1

**Transcript Title:** Physician Apprenticeship 1

**Calendar Title:** Physician Apprenticeship 1.

**Description:**
This course will guide and mentor students in their transition from laymanship to physicianship. It will promote professionalism, the healing role of the physician, a patient-centered approach and self-reflection.

**Notes:**
- Open to students in the M.D.,C.M. program only.
- Students must register for both INDS 122D1 and INDS 122D2.
- No credit will be given for this course unless both INDS 122D1 and INDS 122D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Medicine & Hlth Sci

**Teaching Department:** Medicine

**Status (catalog level):** Active

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**INDS 122D2**

**Credit Weight:** 1

**Transcript Title:** Physician Apprenticeship 1

**Calendar Title:** Physician Apprenticeship 1.

**Description:**
See INDS 122D1 for course description.

**Notes:**
- Prerequisite: INDS 122D1.
- No credit will be given for this course unless both INDS 122D1 and INDS 122D2 are successfully completed in consecutive terms.
INDS 122D1 and INDS 122D2 together are equivalent to INDS 122
Open to students in the M.D.,C.M. program only.

**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**INDS 122J1**  
**Credit Weight:** 0.667  
**Transcript Title:** Physician Apprenticeship 1  
**Calendar Title:** Physician Apprenticeship 1.  
**Description:**  
This course will guide and mentor students in their transition from laymanship to physicianship. It will promote professionalism, the healing role of the physician, a patient-centered approach and self-reflection.  
**Notes:**  
Open to students in the M.D.,C.M. program only.  
Students must also register for INDS 122J2 and INDS 122J3  
No credit will be given for this course unless INDS 122J1, INDS 122J2 and INDS 122J3 are all successfully completed in consecutive terms  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**INDS 122J2**  
**Credit Weight:** 0.667  
**Transcript Title:** Physician Apprenticeship 1  
**Calendar Title:** Physician Apprenticeship 1.  
**Description:**  
See INDS 122J1 for course description.  
**Notes:**  
Prerequisite: INDS 122J1  
Students must also register for INDS 122J3  
No credit will be given for this course unless INDS 122J1, INDS 122J2 and INDS 122J3 are all successfully completed in consecutive terms  
Open to students in the M.D.,C.M. program only.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**INDS 122J3**  
**Credit Weight:** 0.666  
**Transcript Title:** Physician Apprenticeship 1  
**Calendar Title:** Physician Apprenticeship 1.  
**Description:**  
See INDS 122J1 for course description.  
**Notes:**  
Prerequisite: INDS 122J2  
No credit will be given for this course unless INDS 122J1, INDS 122J2 and INDS 122J3 are all successfully completed in consecutive terms  
Open to students in the M.D.,C.M. program only.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Medicine  
**Status (catalog level):** Active

**INDS 123D1**  
**Credit Weight:** 1.5
Transcript Title: Research Fundamentals 1  
Calendar Title: Research Fundamentals 1.  
Description:  
Introduction to use of biomedical databases and/or social sciences to identify a body of scientific/scholarly literature; to articulate answerable research questions and hypotheses; and to design research plans related to a selected scientific question.  
Notes:  
Restriction(s): Open only to M.D., C.M. and D.M.D. students that have passed all courses within Promotion Period I.  
Students must register for both INDS 123D1 and INDS 123D2  
No credit will be given for this course unless both INDS 123D1 and INDS 123D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active  

INDS 123D2  
Credit Weight: 1.5  
Transcript Title: Research Fundamentals 1  
Calendar Title: Research Fundamentals 1.  
Description:  
Introduction to use of biomedical databases and/or social sciences to identify a body of scientific/scholarly literature; to articulate answerable research questions and hypotheses; and to design research plans related to a selected scientific question.  
Notes:  
Restriction(s): Open only to M.D., C.M. and D.M.D. students that have passed all courses within Promotion Period I.  
Prerequisite: INDS 123D1  
No credit will be given for this course unless both INDS 123D1 and INDS 123D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active  

INDS 123J1  
Credit Weight: 1  
Transcript Title: Research Fundamentals 1  
Calendar Title: Research Fundamentals 1.  
Description:  
Introduction to use of biomedical databases and/or social sciences to identify a body of scientific/scholarly literature; to articulate answerable research questions and hypotheses; and to design research plans related to a selected scientific question.  
Notes:  
Open to students in the M.D., C.M. program only.  
Students must also register for INDS 123J2 and INDS 123J3  
No credit will be given for this course unless INDS 123J1, INDS 123J2 and INDS 123J3 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active  

INDS 123J2  
Credit Weight: 1
Transcript Title: Research Fundamentals 1  
Calendar Title: Research Fundamentals 1.

Description:
Introduction to use of biomedical databases and/or social sciences to identify a body of scientific/scholarly literature; to articulate answerable research questions and hypotheses; and to design research plans related to a selected scientific question.

Notes:
Open to students in the M.D., C.M. program only.
Prerequisite: INDS 123J1
Students must register for INDS 119J3
No credit will be given for this course unless INDS 123J1, INDS 123J2 and INDS 123J3 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 123J3
Credit Weight: 1

Transcript Title: Research Fundamentals 1  
Calendar Title: Research Fundamentals 1.

Description:
Introduction to use of biomedical databases and/or social sciences to identify a body of scientific/scholarly literature; to articulate answerable research questions and hypotheses; and to design research plans related to a selected scientific question.

Notes:
Open to students in the M.D., C.M. program only.
Prerequisite: INDS 123J2

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 124D1
Credit Weight: 1.5

Transcript Title: Longitudinal FamMed Experience  
Calendar Title: Longitudinal Family Medicine Experience.

Description:
Introduction to primary care exposure and opportunity for clinical correlation with themes introduced in the FMD classroom. Furthermore, students will have the opportunity to practice history-taking and physical examination skills in a clinical setting.

Notes:
Each M.D., C.M. medical student will be paired with a Family Physician preceptor and will attend patient sessions starting in the first month of medical school.
Restriction(s): Open to students in the M.D., C.M. program only.
Students must register for both INDS 124D1 and INDS 124D2
No credit will be given for this course unless both INDS 124D1, and INDS 124D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 124D2
Credit Weight: 1.5

Transcript Title: Longitudinal FamMed Experience
Calendar Title: Longitudinal Family Medicine Experience.
Description: See INDS 124D1 for description.
Notes: Each M.D., C.M. medical student will be paired with a Family Physician preceptor and will attend patient sessions starting in the first month of medical school.
Restriction(s): Open to students in the M.D., C.M. program only.
Prerequisite: INDS 124D1
No credit will be given for this course unless both INDS 124D1, and INDS 124D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 124J1
Credit Weight: 1
Transcript Title: Longitudinal FamMed Experience
Calendar Title: Longitudinal Family Medicine Experience.
Description: Introduction to primary care exposure and opportunity for clinical correlation with themes introduced in the FMD classroom. Furthermore, students will have the opportunity to practice history-taking and physical examination skills in a clinical setting.
Notes: Each M.D., C.M. medical student will be paired with a Family Physician preceptor and will attend patient sessions starting in the first month of medical school.
Restriction(s): Open to students in the M.D., C.M. program only.
Students must also register for INDS 124J2 and INDS 124J3
No credit will be given for this course unless INDS 124J1, INDS 124J2 and INDS 124J3 are successfully completed in consecutive terms
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 124J2
Credit Weight: 1
Transcript Title: Longitudinal FamMed Experience
Calendar Title: Longitudinal Family Medicine Experience.
Description: See INDS 124J1 for description.
Notes: Each M.D., C.M. medical student will be paired with a Family Physician preceptor and will attend patient sessions starting in the first month of medical school.
Restriction(s): Open to students in the M.D., C.M. program only.
Prerequisite: INDS 124J1
Students must register for INDS 124J3
No credit will be given for this course unless INDS 124J1, INDS 124J2 and INDS 124J3 are successfully completed in consecutive terms
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 124J3
Credit Weight: 1
Transcript Title: Longitudinal FamMed Experience
Calendar Title: Longitudinal Family Medicine Experience.
Description:
See INDS 124J1 for description.

Notes:
Each M.D.,C.M. medical student will be paired with a Family Physician preceptor and will attend patient sessions starting in the first month of medical school. Restriction(s): Open to students in the M.D.,C.M. program only.
Prerequisite: INDS 124J2
No credit will be given for this course unless INDS 124J1, INDS 124J2 and INDS 124J3 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 125
Credit Weight: 0
Transcript Title: FMD Integrated Assessment 1
Calendar Title: FMD Integrated Assessment 1.
Description:
Lifelong learning skills; promotion through self-reflection and understanding of the clinical correlation of the factual biological and social sciences.
Notes:
Restriction: Only open to students in the M.D.,C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 125D1
Credit Weight: 0
Transcript Title: FMD Integrated Assessment 1
Calendar Title: FMD Integrated Assessment 1.
Description:
Lifelong learning skills; promotion through self-reflection and understanding of the clinical correlation of the factual biological and social sciences.
Notes:
Students must register for INDS 125D1
No credit will be given for this course unless INDS 125D1, and INDS 125D2 are successfully completed in consecutive terms.
INDS 125D1 and INDS125D2 together are equivalent to INDS 125
Restriction: Only open to students in the M.D.,C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 125D2
Credit Weight: 0
Transcript Title: FMD Integrated Assessment 1
Calendar Title: FMD Integrated Assessment 1.
Description:
See INDS 125D1 for course description.
Notes:
Prerequisite: INDS 125D1
No credit will be given for this course unless INDS 125D1, and INDS 125D2 are successfully completed in consecutive terms.
INDS 125D1 and INDS125D2 together are equivalent to INDS 125
Restriction: Only open to students in the M.D.,C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 125J1
Credit Weight: 0
Transcript Title: FMD Integrated Assessment 1
Calendar Title: FMD Integrated Assessment 1.
Description:
Lifelong learning skills; promotion through self-reflection and understanding of the clinical correlation of the factual biological and social sciences
Notes:
Open to students in the M.D.,C.M. program only.
Students must also register for INDS 125J2 and INDS 125J3.
No credit will be given for this course unless INDS 125J1, INDS 125J2 and INDS 125J3 are successfully completed in consecutive terms
INDS 125J1, INDS 125J2 and INDS 125J3 together are equivalent to INDS 125
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 125J2
Credit Weight: 0
Transcript Title: FMD Integrated Assessment 1
Calendar Title: FMD Integrated Assessment 1.
Description:
See INDS 125J1 for course description.
Notes:
Prerequisite: INDS 125J1.
Students must also register for INDS 125J1 and INDS 125J3.
Open to students in the M.D.,C.M. program only.
No credit will be given for this course unless INDS 125J1, INDS 125J2 and INDS 125J3 are successfully completed in consecutive terms
INDS 125J1, INDS 125J2 and INDS 125J3 together are equivalent to INDS 125
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 125J3
Credit Weight: 0
Transcript Title: FMD Integrated Assessment 1
Calendar Title: FMD Integrated Assessment 1.
Description:
See INDS 125J1 for course description.
Notes:
Prerequisite: INDS 125J2.
Students must also register for INDS 125J1 and INDS 125J2.
Open to students in the M.D.,C.M. program only.
No credit will be given for this course unless INDS 125J1, INDS 125J2 and INDS 125J3 are successfully completed in consecutive terms
INDS 125J1, INDS 125J2 and INDS 125J3 together are equivalent to INDS 125
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 207
Credit Weight: 12
Transcript Title: Host Defense & Host/Parasite
Calendar Title: Host Defense and Host/Parasite.
Description: Infectious diseases arise from dynamic interactions between humans and microorganisms. Using lectures, case-oriented small groups, laboratory sessions, and independent learning, an integrated overview of the basic microbiology of organisms, our immune defenses and how they may be subverted, and approaches to the prevention and control of infection will be provided.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 211
Credit Weight: 6
Transcript Title: Reproduction and Sexuality
Calendar Title: Reproduction and Sexuality.
Description: Introduction to anatomy, physiology, pathology, and therapeutics of normal sexual and reproductive function and diseases of the reproductive organs as well as relevant elements of the physical examination and clinical interview.
Notes: Restriction(s): Open only to students in the M.D.,C.M. and D.M.D. programs that have passed all courses within Promotion Period I.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 212
Credit Weight: 12
Transcript Title: Human Behaviour
Calendar Title: Human Behaviour.
Description: Introduction to anatomy, physiology, pathology, and therapeutics of psychiatric disorders and diseases of the central nervous system as well as elements of the physical examination and clinical interview relevant to these conditions.
Notes: Restriction(s): Open to students in the M.D.,C.M. and D.M.D. programs only that have passed all courses within Promotion Period I.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 219
Credit Weight: 1.5
Transcript Title: Clinical Method 2
Calendar Title: Clinical Method 2.
Description: Medical interviewing and communication; physical examination, including communication across social distances and boundaries, along with cultural distances, patient safety issues and conducting a full physical examination.
Notes: Open to students in the M.D.,C.M. program only.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
INDS 220
Credit Weight: 1
Transcript Title: Physicianship 2
Calendar Title: Physicianship 2.
Description:
This course continues the introduction of the Physicianship program to the M.D., C.M. curriculum.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 222
Credit Weight: 1.5
Transcript Title: Physician Apprenticeship 2
Calendar Title: Physician Apprenticeship 2.
Description:
This course continues to build on Physician Apprenticeship 1, guiding and mentoring students as they continue their transition to physicianship.
Notes:
Open to students in the M.D.,C.M. program only.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 222D1
Credit Weight: 0.75
Transcript Title: Physician Apprenticeship 2
Calendar Title: Physician Apprenticeship 2.
Description:
This course continues to build on Physician Apprenticeship 1, guiding and mentoring students as they continue their transition to physicianship.
Notes:
Students must register for both INDS 222D1 and INDS 222D2
No credit will be given for this course unless both INDS 222D1 and INDS 222D2 are successfully completed in consecutive terms
INDS 222D1 and INDS 222D2 together are equivalent to INDS 222
Open to students in the M.D.,C.M. program only.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 222D2
Credit Weight: 0.75
Transcript Title: Physician Apprenticeship 2
Calendar Title: Physician Apprenticeship 2.
Description:
This course continues to build on Physician Apprenticeship 1, guiding and mentoring students as they continue their transition to physicianship.
Notes:
Prerequisite: INDS 222D1
No credit will be given for this course unless both INDS 222D1 and INDS 222D2 are successfully completed in consecutive terms
INDS 222D1 and INDS 222D2 together are equivalent to INDS 222
Open to students in the M.D.,C.M. program only.
Administrating Faculty: Faculty of Medicine & Hlth Sci
INDS 222J1
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 2
Calendar Title: Physician Apprenticeship 2.
Description: This course continues to build on Physician Apprenticeship 1, guiding and mentoring students as they continue their transition to physicianship.
Notes: Open to students in the M.D.,C.M. program only. Students must also register for INDS 222J2 and INDS 222J3. No credit will be given for this course unless INDS 222J1, INDS 222J2 and INDS 222J3 are all successfully completed in consecutive terms. INDS 222J1, INDS 222J2 and INDS 222J3 together are equivalent to INDS 222
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 222J2
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 2
Calendar Title: Physician Apprenticeship 2.
Description: See INDS 222J1 for course description.
Notes: Prerequisite: INDS 222J1. Students must also register for INDS 222J3. No credit will be given for this course unless INDS 222J1, INDS 222J2 and INDS 222J3 are all successfully completed in consecutive terms. Open to students in the M.D.,C.M. program only. INDS 222J1, INDS 222J2 and INDS 222J3 together are equivalent to INDS 222
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 222J3
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 2
Calendar Title: Physician Apprenticeship 2.
Description: See INDS 222J1 for course description.
Notes: Prerequisite: INDS 222J2. Students must also register for INDS 222J1. No credit will be given for this course unless INDS 222J1, INDS 222J2 and INDS 222J3 are all successfully completed in consecutive terms. Open to students in the M.D.,C.M. program only. INDS 222J1, INDS 222J2 and INDS 222J3 together are equivalent to INDS 222
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 223
Credit Weight: 1.5
Transcript Title: Research Fundamentals 2  
Calendar Title: Research Fundamentals 2.  
Description: Continuation of the research project. Students are required to meet with their chosen investigators once a week as a team to discuss their areas of research.  
Notes: Students are expected to acquire data weekly for their chosen research project. Open to students in the M.D., C.M. program only.  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active  

INDS 224  
Credit Weight: 2  
Transcript Title: Comm Health Alliance Proj-CHAP  
Calendar Title: Community Health Alliance Project - C.H.A.P..  
Description: Requires critical reflection on social diversity, determinants of health, and the rewards of community engagement. Students will be required to attend bi-monthly visits with a community group placement site. Based on these community placements and exposure during Fundamentals of Medicine and Dentistry, students will work together on a small group project during Transition to Clinical Practice.  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active  

INDS 224D1  
Credit Weight: 1  
Transcript Title: Comm Health Alliance Proj-CHAP  
Calendar Title: Community Health Alliance Project - C.H.A.P..  
Description: Requires critical reflection on social diversity, determinants of health, and the rewards of community engagement. Students will be required to attend bi-monthly visits with a community group placement site. Based on these community placements and exposure during Fundamentals of Medicine and Dentistry, students will work together on a small group project during Transition to Clinical Practice.  
Notes: Students must register for INDS 224D2  
No credit will be given for this course unless INDS 224D1, and INDS 224D2 are successfully completed in consecutive terms  
INDS 224D1 and INDS 224D2 together are equivalent to INDS 224  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active  

INDS 224D2  
Credit Weight: 1  
Transcript Title: Comm Health Alliance Proj-CHAP  
Calendar Title: Community Health Alliance Project - C.H.A.P..  
Description: See INDS 224D1.  
Notes: Prerequisite: INDS 224D1  
No credit will be given for this course unless INDS 224D1, and INDS 224D2 are successfully completed in consecutive terms  
INDS 224D1 and INDS 224D2 together are equivalent to INDS 224
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 224J1
Credit Weight: 0.666
Transcript Title: Comm Health Alliance Proj-CHAP
Calendar Title: Community Health Alliance Project - C.H.A.P..
Description:
Requires critical reflection on social diversity, determinants of health, and the rewards of community engagement. Students will be required to attend bi-monthly visits with a community group placement site. Based on these community placements and exposure during Fundamentals of Medicine and Dentistry, students will work together on a small group project during Transition to Clinical Practice.
Notes:
Restriction(s): Only open to students enrolled in the M.D., C.M. program. Students must also register for INDS 224J2 and INDS 224J3. No credit will be given for this course unless INDS 224J1, INDS 224J2 and INDS 224J3 are successfully completed in consecutive terms.
INDS 224J1, INDS 224J2 and INDS 224J3 together are equivalent to INDS 224

INDS 224J2
Credit Weight: 0.667
Transcript Title: Comm Health Alliance Proj-CHAP
Calendar Title: Community Health Alliance Project - C.H.A.P..
Description:
See INDS 224J1.
Notes:
Restriction(s): Only open to students enrolled in the M.D., C.M. program. Prerequisite(s): INDS 224J1. Students must also register for INDS 224J3. No credit will be given for this course unless INDS 224J1, INDS 224J2 and INDS 224J3 are successfully completed in consecutive terms.
INDS 224J1, INDS 224J2 and INDS 224J3 together are equivalent to INDS 224

INDS 224J3
Credit Weight: 0.667
Transcript Title: Comm Health Alliance Proj-CHAP
Calendar Title: Community Health Alliance Project - C.H.A.P..
Description:
See INDS 224J1.
Notes:
Restriction(s): Only open to students enrolled in the M.D., C.M. program. Prerequisite(s): INDS 224J2. No credit will be given for this course unless INDS 224J1, INDS 224J2 and INDS 224J3 are successfully completed in consecutive terms.
INDS 224J1, INDS 224J2 and INDS 224J3 together are equivalent to INDS 224

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
### INDS 225
**Credit Weight:** 0
**Transcript Title:** FMD Integrated Assessment 2
**Calendar Title:** FMD Integrated Assessment 2
**Description:** Lifelong learning skills; promotion through self-reflection and understanding of the clinical correlation of the factual biological and social sciences.

**Notes:**
Only open to students in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
**Teaching Department:** Medicine and Health Sciences
**Status (catalog level):** Active

### INDS 300
**Credit Weight:** 1.5
**Transcript Title:** Mindful Medical Practice - TCP
**Calendar Title:** Mindful Medical Practice - Transition to Clinical Practice
**Description:** Knowledge, attitudes, and skills of professionalism, whole person care, and Physicianship as expressed in the particular behaviours of a mindful practitioner. An emphasis will be placed on the emergent developmental process of seeing "self as a physician".

**Notes:**
Restriction(s): Only open to students enrolled in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
**Teaching Department:** Medicine and Health Sciences
**Status (catalog level):** Active

### INDS 302
**Credit Weight:** 1.5
**Transcript Title:** Medical Ethics and Health Law
**Calendar Title:** Medical Ethics and Health Law.
**Description:** The objectives of this course are to familiarize students with the basic ethical and legal issues and problems arising in clinical medicine and to develop the skills needed to identify and resolve ethical dilemmas. Emphasis is placed on the following subjects: informed consent, risk disclosure, patient competence, confidentiality, research ethics, discontinuing life support, physician impairment, and ethics in the team context.

**Notes:**
Restriction(s): Open only to students enrolled in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
**Teaching Department:** Medicine and Health Sciences
**Status (catalog level):** Active

### INDS 305
**Credit Weight:** 1
**Transcript Title:** Transition to Clerkship
**Calendar Title:** Transition to Clerkship
**Description:** This one-week course is designed to prepare students for the start of Clerkship by helping them navigate the challenges associated with this transition. Students will engage in plenary sessions, selective small group session, and online modules in which they will reflect on their professional identity formation, practice essential clinical skills, and develop an awareness of the vital role of the
clinical clerk within the healthcare team. By the end of the course students should feel more confident in taking on the role of a clinical clerk.

**Notes:**
Restriction: Open only to students enrolled in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci

**Teaching Department:** Medicine and Health Sciences

**Status (catalog level):** Active

**INDS 320**

**Credit Weight:** 1.5

**Transcript Title:** Formation of the Professional and Healer

**Calendar Title:** Formation of the Professional and Healer

**Description:**
The transition from pre-clinical to clinical education can be challenging for students as they adjust to their new roles and responsibilities. The course is based on the teaching and learning of a number of inter-related concepts (e.g. resilience, self-care, and compassion fatigue) that are relevant to the continued development of an identity as a professional and healer.

**Notes:**
Restriction(s): Open only to students enrolled in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci

**Teaching Department:** Medicine

**Status (catalog level):** Active

**INDS 320D1**

**Credit Weight:** 0.75

**Transcript Title:** Formation of the Professional and Healer

**Calendar Title:** Formation of the Professional and Healer

**Description:**
The transition from pre-clinical to clinical education can be challenging for students as they adjust to their new roles and responsibilities. The course is based on the teaching and learning of a number of inter-related concepts (e.g. resilience, self-care, and compassion fatigue) that are relevant to the continued development of an identity as a professional and healer.

**Notes:**
Students must register for both INDS 320D1 and INDS 320D2.
No credit will be given for this course unless both INDS 320D1 and INDS 320D2 are successfully completed in consecutive terms.

INDS 320D1 and INDS 320D2 together are equivalent to INDS 320.

Restriction(s): Open only to students enrolled in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci

**Teaching Department:** Medicine

**Status (catalog level):** Active

**INDS 320D2**

**Credit Weight:** 0.75

**Transcript Title:** Formation of the Professional and Healer

**Calendar Title:** Formation of the Professional and Healer

**Description:**
See INDS 320D1 for course description.

**Notes:**
Prerequisite: INDS 320D1
No credit will be given for this course unless both INDS 320D1 and INDS 320D2 are successfully completed in consecutive terms.

INDS 320D1 and INDS 320D2 together are equivalent to INDS 320.

Restriction(s): Open only to students enrolled in the M.D., C.M. program.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 320J1
Credit Weight: 0.5
Transcript Title: Formation of the Prof'l&Healer
Calendar Title: Formation of the Professional and Healer.
Description:
The transition from pre-clinical to clinical education can be challenging for students as they adjust to their new roles and responsibilities. The course is based on the teaching and learning of a number of inter-related concepts (e.g. resilience, self-care, and compassion fatigue) that are relevant to the continued development of an identity as a professional and healer.
Notes:
Students must also register for INDS 320J2 and INDS 320J3. No credit will be given for this course unless INDS 320J1, INDS 320J2 and INDS 320J3 are all successfully completed in consecutive terms.
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 320J2
Credit Weight: 0.5
Transcript Title: Formation of the Prof'l&Healer
Calendar Title: Formation of the Professional and Healer.
Description:
See INDS 320J1 for course description.
Notes:
Prerequisite: INDS 320J1. Students must also register for INDS 320J3. No credit will be given for this course unless INDS 320J1, INDS 320J2 and INDS 320J3 are all successfully completed in consecutive terms.
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 320J3
Credit Weight: 0.5
Transcript Title: Formation of the Prof'l&Healer
Calendar Title: Formation of the Professional and Healer.
Description:
See INDS 320J1 for course description.
Notes:
Prerequisite: INDS 320J2. No credit will be given for this course unless INDS 320J1, INDS 320J2 and INDS 320J3 are all successfully completed in consecutive terms.
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 322
Credit Weight: 1.5
Transcript Title: Physician Apprenticeship 3
Calendar Title: Physician Apprenticeship 3.

Description:
This course continues to build on Physician Apprenticeship 1 and 2, guiding and mentoring students as they continue their transition to physicians.

Notes:
Prerequisite: INDS 222, or INDS 222D1 and INDS 222D2, or INDS 222J1 and INDS 222J2 and INDS 222J3.
Restriction: M.D., C.M. students only.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 322D1
Credit Weight: 0.75
Transcript Title: Physician Apprenticeship 3
Calendar Title: Physician Apprenticeship 3.
Description:
This course continues to build on Physician Apprenticeship 1 and 2, guiding and mentoring students as they continue their transition to physicians.

Notes:
Prerequisite: INDS 222, or INDS 222D1 and INDS 222D2, or INDS 222J1 and INDS 222J2 and INDS 222J3.
Students must register for both INDS 322D1 and INDS 322D2
No credit will be given for this course unless both INDS 322D1 and INDS 322D2 are successfully completed in consecutive terms
INDS 322D1 and INDS 322D2 together are equivalent to INDS 322

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 322D2
Credit Weight: 0.75
Transcript Title: Physician Apprenticeship 3
Calendar Title: Physician Apprenticeship 3.
Description:
See INDS 322D1 for course description.

Notes:
Prerequisite: INDS 322D1
No credit will be given for this course unless both INDS 322D1 and INDS 322D2 are successfully completed in consecutive terms
INDS 322D1 and INDS 322D2 together are equivalent to INDS 322

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 322J1
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 3
Calendar Title: Physician Apprenticeship 3.
Description:
This course continues to build on Physician Apprenticeship 1 and 2, guiding and mentoring students as they continue their transition to physicians.

Notes:
Prerequisite: INDS 222, or INDS 222D1 and INDS 222D2, or INDS 222J1 and INDS 222J2 and INDS 222J3.
Restriction: M.D., C.M. students only.
Students must also register for INDS 322J2 and INDS 322J3. No credit will be given for this course unless INDS 322J1, INDS 322J2 and INDS 322J3 are all successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 322J2
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 3
Calendar Title: Physician Apprenticeship 3.
Description: See INDS 322J1 for course description.
Notes: Prerequisite: INDS 322J1
Students must also register for INDS 322J3. No credit will be given for this course unless INDS 322J1, INDS 322J2 and INDS 322J3 are all successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 322J3
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 3
Calendar Title: Physician Apprenticeship 3.
Description: See INDS 322J1 for course description.
Notes: Prerequisite: INDS 322J2
Students must also register for INDS 322J3. No credit will be given for this course unless INDS 322J1, INDS 322J2 and INDS 322J3 are all successfully completed in consecutive terms.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 323
Credit Weight: 0
Transcript Title: TCP Integrated Assessment
Calendar Title: TCP Integrated Assessment.
Description:
This course includes integrated assessments, designed to assess the student's integration of content learned in the context of different clinical disciplines and in the longitudinal curricular themes. Assessments include End-of-Block written examinations, an Integrative TCP OSCE and a Progress Test. These assessments are clinically grounded, and together assess the student's ability to integrate the knowledge, communication skills, physical examination skills, professionalism, and collaboration learned and consolidated throughout the various TCP courses.
Notes:
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 407
Credit Weight: 3
Transcript Title: Topics in Medical Science 2
Calendar Title: Topics in Medical Science 2.
Description:
Optional second sequence of seminar series that will focus on topics having particular relevance to current clinical practice. The seminars will present an in-depth review of areas where there has been recent scientific development. These will be presented to students as options; from which they will be able to select two different topics.
Notes:
Restriction: Not open to students who have taken INDS 405 (8 cr.) prior to 200801.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 408
Credit Weight: 4
Transcript Title: Emergency Medicine Clerkship
Calendar Title: Emergency Medicine Clerkship.
Description:
During this Senior Clerkship course, students are expected to apply and build on skills that they have learned during Core Clerkship courses. In the Emergency Medicine Clerkship, students have the opportunity to evaluate a large variety of undifferentiated patients presenting with a wide spectrum of complaints. They function as fully integrated members of the healthcare team, responsible for direct patient care with direct supervision by attending physicians and/or senior emergency medicine residents. Students are also encouraged to take part in all academic activities of the department, such as morbidity and mortality rounds and journal clubs.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 420
Credit Weight: 4
Transcript Title: Physicianship 4
Calendar Title: Physicianship 4.
Description:
Social dimensions of medical judgment; social contract; organization of health services emphasizing preventative interventions, advanced topics including giving bad news, clinical thinking, cross-cultural communication, and boundary issues.
Notes:
Prerequisite: INDS 320.
Restrictions: M.D., C.M. students only.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine
Status (catalog level): Active

INDS 421
Credit Weight: 8
Transcript Title: Transition to Residency
Calendar Title: Transition to Residency.
Description:
This course comprises three main themes: Transition through licensure (i.e. Medical Ethics and Law, LMCC Review); Transition through practice (i.e. Early
Recognition of and Response to Acutely Deteriorating, Advanced Communication Skills); and Transition through reflection (i.e. Medicine and Society, student wellness).

Notes:
Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences

Status (catalog level): Active

INDS 422
Credit Weight: 0.5
Transcript Title: Physician Apprenticeship 4
Calendar Title: Physician Apprenticeship 4.
Description: This course is the last in a series of four consolidating the skills and attitudes expected of the professional healer.

Notes:
Prerequisite: INDS 322
Restriction: M.D., C.M. students only

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine

Status (catalog level): Active

INDS 422D1
Credit Weight: 0.25
Transcript Title: Physician Apprenticeship 4
Calendar Title: Physician Apprenticeship 4.
Description: This course is the last in a series of four consolidating the skills and attitudes expected of the professional healer.

Notes:
Prerequisite: INDS 322
Restriction: M.D., C.M. students only
Students must register for both INDS 422D1 and INDS 422D2
No credit will be given for this course unless both INDS 422D1 and INDS 422D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine

Status (catalog level): Active

INDS 422D2
Credit Weight: 0.25
Transcript Title: Physician Apprenticeship 4
Calendar Title: Physician Apprenticeship 4.
Description: See INDS 422D1 for course description.

Notes:
Prerequisite: INDS 322 and INDS 422D1
Restriction: M.D., C.M. students only
No credit will be given for this course unless both INDS 422D1 and INDS 422D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine

Status (catalog level): Active

INDS 423
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.

Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student;’s performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.

Notes:
Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423D1
Credit Weight: 0

Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.

Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student;’s performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.

Notes:
Students must register for both INDS 423D1 and INDS 423D2
No credit will be given for this course unless both INDS 423D1 and INDS 423D2 are successfully completed in consecutive terms
INDS 423D1 and INDS 423D2 together are equivalent to INDS 423

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423D2
Credit Weight: 0

Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.

Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student;’s performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is
representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.

Notes:
Prerequisite: INDS 423D1
No credit will be given for this course unless both INDS 423D1 and INDS 423D2 are successfully completed in consecutive terms
INDS 423D1 and INDS 423D2 together are equivalent to INDS 423

Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423J1
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.
Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student’s performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.

Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must also register for INDS 423J2 and INDS 423J3.
No credit will be given for this course unless INDS 423J1, INDS 423J2 and INDS 423J3 are all successfully completed in consecutive terms.
INDS 423J1, INDS 423J2 and INDS 423J3 together are equivalent to INDS 423 or INDS 423N1 and INDS 423N2.

Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423J2
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.
Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student’s performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.
Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must also register for INDS 423J1 and INDS 423J3.
No credit will be given for this course unless INDS 423J1, INDS 423J2 and INDS 423J3 are all successfully completed in consecutive terms.
INDS 423J1, INDS 423J2 and INDS 423J3 together are equivalent to INDS 423 or INDS 423N1 and INDS 423N2.
Prerequisite(s): INDS 423J1

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423J3
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.
Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student's performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.

Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must also register for INDS 423J1 and INDS 423J2.
No credit will be given for this course unless INDS 423J1, INDS 423J2 and INDS 423J3 are all successfully completed in consecutive terms.
INDS 423J1, INDS 423J2 and INDS 423J3 together are equivalent to INDS 423 or INDS 423N1 and INDS 423N2.
Prerequisite(s): INDS 423J1 and INDS 423J2.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423N1
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.
Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student's performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.
Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must register for both INDS 423N1 and INDS 423N2.
No credit will be given for this course unless both INDS 423N1 and INDS 423N2 are successfully completed in a twelve month period.
INDS 423N1 and INDS 423N2 together are equivalent to INDS 423.
INDS 423N1 and INDS 423N2 together are equivalent to INDS 423J1+INDS 423J2+ INDS 423J3 together.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 423N2
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 1
Calendar Title: Clerkship Integrated Assessment 1.
Description:
This course includes integrated assessments that will occur longitudinally throughout the rotations in core clerkship and at the end of each of the 3 core clerkship blocks. During each rotation student's performance in the clinical setting will be assessed using a work-based assessment tool that will focus on all of the competencies in a stage-appropriate way. At the end of each block, students will sit a written test, i.e. the progress test. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall.

Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must register for both INDS 423N1 and INDS 423N2.
No credit will be given for this course unless both INDS 423N1 and INDS 423N2 are successfully completed in a twelve month period.
INDS 423N1 and INDS 423N2 together are equivalent to INDS 423.
INDS 423N1 and INDS 423N2 together are equivalent to INDS 423J1+INDS 423J2+ INDS 423J3 together.
Prerequisite(s): INDS 423N1

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 424
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 2
Calendar Title: Clerkship Integrated Assessment 2.
Description:
This course includes integrated assessments that will occur during the senior clerkship. The students will sit two progress tests of which one will be formative and one summative. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall. The Objective Structured Clinical Examination (OSCE) will consist of simulated situations to assess competencies (integration of knowledge, skills and attitudes). They will also complete an integrated OSCE.
Notes:
Restriction(s): Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences

Status (catalog level): Active

INDS 424J1
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 2
Calendar Title: Clerkship Integrated Assessment 2.

Description:
This course includes integrated assessments that will occur during the senior clerkship. The students will sit two progress tests of which one will be formative and one summative. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall. The Objective Structured Clinical Examination (OSCE) will consist of simulated situations to assess competencies (integration of knowledge, skills and attitudes). They will also complete an integrated OSCE.

Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must also register for INDS 424J2 and INDS 424J3.
No credit will be given for this course unless INDS 424J1, INDS 424J2 and INDS 424J3 are all successfully completed in consecutive terms.
INDS 424J1, INDS 424J2 and INDS 424J3 together are equivalent to INDS 424 or INDS 424N1 and INDS 424N2.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences

Status (catalog level): Active

INDS 424J2
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 2
Calendar Title: Clerkship Integrated Assessment 2.

Description:
This course includes integrated assessments that will occur during the senior clerkship. The students will sit two progress tests of which one will be formative and one summative. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall. The Objective Structured Clinical Examination (OSCE) will consist of simulated situations to assess competencies (integration of knowledge, skills and attitudes). They will also complete an integrated OSCE.

Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must also register for INDS 424J1 and INDS 424J3.
No credit will be given for this course unless INDS 424J1, INDS 424J2 and INDS 424J3 are all successfully completed in consecutive terms.
INDS 424J1, INDS 424J2 and INDS 424J3 together are equivalent to INDS 424 or INDS 424N1 and INDS 424N2.
Prerequisite(s): INDS 424J1

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences  
Status (catalog level): Active

INDS 424J3
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 2
Calendar Title: Clerkship Integrated Assessment 2.
Description: This course includes integrated assessments that will occur during the senior clerkship. The students will sit two progress tests of which one will be formative and one summative. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall. The Objective Structured Clinical Examination (OSCE) will consist of simulated situations to assess competencies (integration of knowledge, skills and attitudes). They will also complete an integrated OSCE.

Notes: Open only to students enrolled in the M.D., C.M. program. Students must also register for INDS 424J1 and INDS 424J2. No credit will be given for this course unless INDS 424J1, INDS 424J2 and INDS 424J3 are all successfully completed in consecutive terms. INDS 424J1, INDS 424J2 and INDS 424J3 together are equivalent to INDS 424 or INDS 424N1 and INDS 424N2.

Prerequisite(s): INDS 424J1 and INDS 424J2.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 424N1
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 2
Calendar Title: Clerkship Integrated Assessment 2.
Description: This course includes integrated assessments that will occur during the senior clerkship. The students will sit two progress tests of which one will be formative and one summative. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall. The Objective Structured Clinical Examination (OSCE) will consist of simulated situations to assess competencies (integration of knowledge, skills and attitudes). They will also complete an integrated OSCE.

Notes: Open only to students enrolled in the M.D., C.M. program. Students must register for both INDS 424N1 and INDS 424N2. No credit will be given for this course unless both INDS 424N1 and INDS 424N2 are successfully completed in a twelve month period. INDS 424N1 and INDS 424N2 together are equivalent to INDS 424. INDS 424N1 and INDS 424N2 together are equivalent to INDS 424J1+INDS 424J2+ INDS 424J3 together.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
INDS 424N2
Credit Weight: 0
Transcript Title: Clerk. Integrated Assessment 2
Calendar Title: Clerkship Integrated Assessment 2.
Description:
This course includes integrated assessments that will occur during the senior clerkship. The students will sit two progress tests of which one will be formative and one summative. A progress test is a test that is representative of all the knowledge domain of a curriculum and is sat by classes at different stages of the curriculum. Each test will have the same blueprint which will represent a broad sample of the knowledge base of the curriculum as a whole. The tests will aim to assess knowledge application rather than solely recall. The Objective Structured Clinical Examination (OSCE) will consist of simulated situations to assess competencies (integration of knowledge, skills and attitudes). They will also complete an integrated OSCE.
Notes:
Open only to students enrolled in the M.D., C.M. program.
Students must register for both INDS 424N1 and INDS 424N2.
No credit will be given for this course unless both INDS 424N1 and INDS 424N2 are successfully completed in a twelve month period.
INDS 424N1 and INDS 424N2 together are equivalent to INDS 424.
INDS 424N1 and INDS 424N2 together are equivalent to INDS 424J1+INDS 424J2+ INDS 424J3 together.
Prerequisite(s): INDS 424N1
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 426
Credit Weight: 6
Transcript Title: PIAT:BasicSci,Medicine&Society
Calendar Title: Putting It All Together: Basic Science, Medicine and Society.
Description:
The course will start with a week of core Basic Science Consolidation teaching followed by 3 weeks of Science and Social Studies of Medicine Selective Seminars. This course is a made-at-McGill solution to a societal problem of training all physicians, including those who do not intend to have university-based careers, to have a clear grasp of evidence based medicine, modern biomedical sciences and transitional medicine before the start of residency. As students will have completed their clinical clerkship courses prior to attending this course, this is an excellent opportunity to remind them of basic science principles and concepts and relate these to the clinical setting. In this course, students will also be focus on more complex clinical judgment which is centered on the particular encounter of doctor and patient, medical judgment broadens the context to include other kinds of ¿particulars¿ and other individuals ¿ families, cultures, political actors, the law, institutions and their leaders, researchers, and even journalists.
Notes:
Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

INDS 427
Credit Weight: 1
**Transcript Title:** PHPM Clerkship  
**Calendar Title:** Public Health and Preventive Medicine Clerkship  
**Description:**  
The Public Health and Preventive Medicine (PHPM) Clerkship Course in 4th year of clerkship is an innovative opportunity for students to learn from physician role models who are dedicated to improving the health of vulnerable and marginalized patients and populations. During the 1-week PHPM Clerkship Course, students will reflect on how the principles of public health and preventive medicine were manifest in their preceding clinical elective. Reflection will be supplemented by formal teaching sessions, self-directed readings and collaborating with peers.  
**Notes:**  
Open only to students enrolled in the M.D., C.M. program.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Medicine and Health Sciences  
**Status (catalog level):** Active
INFS 601
Credit Weight: 3
Transcript Title: Foundations of Info Studies
Calendar Title: Foundations of Information Studies.
Description:
Overview of foundations of information studies and relevant concepts and theoretical frameworks. Examination of research methodologies used in the field, including quantitative, qualitative and project management methods.
Notes:
Restrictions: Not open to students who have taken GLIS 601.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 602
Credit Weight: 3
Transcript Title: Integrating Research & Practice
Calendar Title: Integrating Research and Practice.
Description:
Analysis of theoretical and applied research in information studies, reflection on implications for professional practice and achievement of a capstone project summarizing students' experiences in their studies.
Notes:
Prerequisite: INFS 601
Restrictions: Not open to students who have taken GLIS 602.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 603
Credit Weight: 6
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
Under the supervision of a faculty member, exploration and analysis of the literature related to an area of interest in information studies, and development of the research proposal.
Notes:
Prerequisite: INFS 601.
Corequisite: INFS 611
Restrictions: Not open to students who have taken GLIS 603.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 604
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
Under the supervision of a faculty member, application of research methodologies and collection of research data.
Notes:
Prerequisites: INFS 603, INFS 611.
Restrictions: Not open to students who have taken GLIS 604.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 605
Credit Weight: 6
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description: Under the supervision of a faculty member, data analysis and preparation of a research paper with potential for publication.
Notes: Prerequisites: INFS 603, INFS 604, INFS 611
Restrictions: Prerequisites: INFS 603, INFS 604, INFS 611
Restrictions: Not open to students who have taken GLIS 647, 647D1/D2.
Students must register for both INFS\ 605D1 and INFS 605D2.
No credit will be given for this course unless both INFS 605D1 and INFS 605D2 are successfully completed in consecutive terms.
INFS 605D1 and INFS 605D2 together are equivalent to INFS 605.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 605D1
Credit Weight: 3
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description: Under the supervision of a faculty member, data analysis and preparation of a research paper with potential for publication.
Notes: Prerequisites: INFS 603, INFS 604, INFS 611
Restrictions: Prerequisites: INFS 603, INFS 604, INFS 611
Restrictions: Not open to students who have taken GLIS 647, 647D1/D2.
Students must register for both INFS\ 605D1 and INFS 605D2.
No credit will be given for this course unless both INFS 605D1 and INFS 605D2 are successfully completed in consecutive terms.
INFS 605D1 and INFS 605D2 together are equivalent to INFS 605.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 605D2
Credit Weight: 3
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description: Under the supervision of a faculty member, data analysis and preparation of a research paper with potential for publication.
Notes: Prerequisites: INFS 603, INFS 604, INFS 611
Restrictions: Prerequisites: INFS 603, INFS 604, INFS 611
Restrictions: Not open to students who have taken GLIS 647, 647D1/D2.
Students must register for both INFS\ 605D1 and INFS 605D2.
No credit will be given for this course unless both INFS 605D1 and INFS 605D2 are successfully completed in consecutive terms.
INFS 605D1 and INFS 605D2 together are equivalent to INFS 605.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies  
Status (catalog level): Active

**INFS 607**

Credit Weight: 3  
Transcript Title: Organization of Information  
Calendar Title: Organization of Information.  
Description: Introduction to the theory, principles, standards, and methods of information organization. Students learn to provide intellectual and physical access to information. Topics include principles of information representation, tools for information access, metadata, controlled vocabulary.  
Notes: Restrictions: Not open to students who have taken GLIS 607.  
Administering Faculty: Graduate Studies  
Teaching Department: Information Studies  
Status (catalog level): Active

**INFS 608**

Credit Weight: 3  
Transcript Title: Classification and Cataloguing  
Calendar Title: Classification and Cataloguing.  
Description: Cataloguing in depth with a view to such specialties as original cataloguing, catalogue maintenance, and administration of the cataloguing department. Investigation of alternative methods of library documentation. The study of developments in international cataloguing standards, codes, and formats. Includes laboratory sessions.  
Notes: Prerequisite: INFS 607  
Restrictions: Not open to students who have taken GLIS 608.  
Administering Faculty: Graduate Studies  
Teaching Department: Information Studies  
Status (catalog level): Active

**INFS 609**

Credit Weight: 3  
Transcript Title: Metadata and Access  
Calendar Title: Metadata and Access.  
Description: Archival descriptive tools in metadata-based access systems. Metadata schemas (MARC, Dublin Core, and EAD), markup languages (SGML, HTML, and XML), DTD, vocabulary control, and metadata management issues.  
Notes: Restrictions: Not open to students who have taken GLIS 609.  
Administering Faculty: Graduate Studies  
Teaching Department: Information Studies  
Status (catalog level): Active

**INFS 611**

Credit Weight: 3  
Transcript Title: Research Principles & Analysis  
Calendar Title: Research Principles & Analysis.  
Description: Fundamental aspects of reflective thinking and the methods and techniques of research appropriate to the investigation of library/information problems. Criteria
helpful in evaluating published research in library/information studies by analyzing the various steps of the research process, thereby providing guidelines for planning, conducting, and reporting research.

Notes:
Prerequisite(s): INFS 601
Restrictions: Not open to students who have taken GLIS 611.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 612
Credit Weight: 3
Transcript Title: History of Books and Printing
Calendar Title: History of Books and Printing.
Description:
Surveyed are the development of writing, alphabets, and books from their inception, and of printing from its invention in the fifteenth century. Historical bibliography dealing with the various physical elements in book production, including design.
Notes:
Prerequisite: INFS 601, INFS 619.
Restrictions: Not open to students who have taken GLIS 612.

INFS 614
Credit Weight: 3
Transcript Title: Public Libraries
Calendar Title: Public Libraries.
Description:
A review of the Public Library Movement in English and French Canada. The development of public libraries in North America over the last twenty years with an emphasis on the library's role and responsibilities for the future. The impact of information technologies on the definition and delivery of services.
Notes:
Restrictions: Not open to students who have taken GLIS 614.

INFS 615
Credit Weight: 3
Transcript Title: Reference & Inform Services
Calendar Title: Reference and Information Services.
Description:
Design and evaluation of reference and information resources and services, collection development, and resource management.
Notes:
Prerequisite: INFS 619.
Restrictions: Not open to students who have taken GLIS 615.

INFS 616
Credit Weight: 3
Transcript Title: Information Retrieval
Calendar Title: Information Retrieval.
Description:
Theoretical and applied explanation of information retrieval in a variety of
digital environments and in relation to both textual and multimedia
data: Information retrieval capabilities, information-seeking models, interface
design issues, information visualization and information system evaluation criteria.
Notes:
Prerequisite: INFS 617.
Restrictions: Not open to students who have taken GLIS 616.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 617
Credit Weight: 3
Transcript Title: Information System Design
Calendar Title: Information System Design.
Description:
Introduction to tools for developing informationsystems. Topics include computer
terminology and syntax and semantics of programming languages, with emphasis on
their use for text parsing, searching, and database design, which are fundamental
concepts in the field of information science.
Notes:
Restrictions: Not open to students who have taken GLIS 617.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 619
Credit Weight: 3
Transcript Title: Info Behaviour and Resources
Calendar Title: Information Behaviour and Resources.
Description:
Introduction to information behaviour, information needs assessment at individual,
organizational and community levels, information search strategies, user-focused
information resources and services.
Notes:
Restrictions: Not open to students who have taken GLIS 619.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 620
Credit Weight: 3
Transcript Title: Managing Info. Organizations
Calendar Title: Managing Information Organizations.
Description:
This course is an introduction to management theory, in the context of information
and knowledge-based organizations. Emphasis is placed on strategic planning,
leadership, and human-capital management (e.g. delegation, motivation, and conflict
resolution). Other topics include project management, organizational design, change
management, decision-making, communication, teamwork and collaboration.
Notes:
Prerequisite(s): INFS 601
Restrictions: Not open to students who have taken GLIS 620.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 625
Credit Weight: 3
Transcript Title: Information Architecture
Calendar Title: Information Architecture.
Description:
Information Architecture (IA) is the process of analyzing, designing, implementing and evaluating information spaces. The course provides an overview of use-design aspects of human information and computer interaction. Topics include: human factors in IA; IA and information systems (IS) design principles and methodologies; work, task, and process analysis; IS modeling, requirement gathering and evaluation; and information visualization.
Notes:
Prerequisite(s): INFS 617
Corequisite(s): INFS 634 recommended
Restrictions: Not open to students who have taken GLIS 625.

INFS 626
Credit Weight: 3
Transcript Title: Usability Analysis & Assess
Calendar Title: Usability Analysis and Assessment.
Description:
Principles and techniques for evaluating interactive computer-based information systems. Topics include models of human information processing, user experience and decision-making; methods for requirements gathering and task analysis; and techniques for user testing, analytic evaluation, and performance modelling.
Notes:
Restrictions: Not open to students who have taken GLIS 626.

INFS 627
Credit Weight: 3
Transcript Title: User-Centered Design
Calendar Title: User-Centered Design.
Description:
A project-based introduction to interaction design, oriented toward practical methods for designing interactive systems. Emphasis is placed on iterative and user-oriented approaches to design, including the role of observation, ideation, sketching and prototyping, and formative and summative evaluation. The role of participatory and value-sensitive approaches to design are also examined.
Notes:
Restrictions: Not open to students who have taken GLIS 627.

INFS 629
Credit Weight: 3
Transcript Title: Information Security
Calendar Title: Information Security.
Description:
Introduction to information security. Topics include basic concepts of confidentiality, integrity, and availability; security threats; malware; operating systems security; access control; network security (encryption, decryption, passwords and digital signature); security policies and practices; risk assessments; common criteria; privacy threats and protection techniques; cybercrime and cyber forensics.
Notes:
Prerequisite(s): INFS 617
Restrictions: Not open to students who have taken GLIS 629.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 630
Credit Weight: 3
Transcript Title: Data Mining
Calendar Title: Data Mining.
Description:
Introduction to data mining. Topics include data preprocessing, data warehouse architecture, online analytical processing (OLAP), online analytical mining (OLAM), basic concepts and methods of frequent patterns mining, association rules mining, classification analysis, cluster analysis, and text mining.
Notes:
Prerequisite: INFS 617 or basic knowledge of database systems.
Restrictions: Not open to students who have taken GLIS 630.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 633
Credit Weight: 3
Transcript Title: Digital Media
Calendar Title: Digital Media.
Description:
Foundational scientific concepts and basic techniques of digital media production and manipulation and their relevance in galleries, libraries, archives, and museums (GLAM). Tools and techniques for creating and handling digital media. Digitizing audio, image, video, and text materials, and using various software packages for manipulating and preserving digital sound, images, and video.
Notes:
Prerequisites: INFS 617.
Restrictions: Not open to students who have taken GLIS 633.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 634
Credit Weight: 3
Transcript Title: Web System Design & Management
Calendar Title: Web System Design and Management.
Description:
Principles and practices of designing websites in the context of libraries and information centres, focusing on a conceptual approach to organizing information for the world wide web including design, implementation and management issues. Topics
include web development tools, markup languages, internet security and web server administration.

Notes:
Prerequisite: INFS 617.
Corequisite: INFS 625 recommended.
Restrictions: Not open to students who have taken GLIS 634.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 636
Credit Weight: 3
Transcript Title: Government Information
Calendar Title: Government Information.
Description:
An introduction to the structure of governments, and the nature and variety of government information. Emphasis is placed on the governments of Canada, the provinces, the United States and selected international governmental organizations. Topics include the acquisition, organization, bibliographic control and use of government information.

Notes:
Prerequisite: INFS 619.
Restrictions: Not open to students who have taken GLIS 636.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 639
Credit Weight: 3
Transcript Title: Introduction to Museology
Calendar Title: Introduction to Museology.
Description:
An introduction to current theories, principles, and functions of museology. Examines museum documentation, digitization, conservation, preservation, exhibition, education and research.

Notes:
Restrictions: Not open to students who have taken GLIS 639.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 641
Credit Weight: 3
Transcript Title: Archival Description & Access
Calendar Title: Archival Description and Access.
Description:
Advanced theory and practice of archival appraisal, arrangement, description, and the creation of access tools to archival records and collections, including the selection and application of appropriate archival descriptive standards, metadata schemes, management tools, and outreach programs including the creation and dissemination of finding aids.

Notes:
Restrictions: Not open to students who have taken GLIS 641.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active
INFS 642
Credit Weight: 3
Transcript Title: Preservation Management
Calendar Title: Preservation Management.
Description: Principles and practices for intellectual and physical preservation of historical and cultural heritagematerials in all forms to extend their durability and assure continued accessibility, through selection, conservation, migration, digitization, preservation strategies, preservation management and ongoing evaluation.
Notes: Restrictions: Not open to students who have taken GLIS 642
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 644
Credit Weight: 3
Transcript Title: Descriptive Bibliography
Calendar Title: Descriptive Bibliography.
Description: A practical course on the history, description and care of rare books and antiquarian material. The principles of descriptive bibliography will be presented in the context of book culture. The place of rare book collections in research libraries and the practical administration of a rare book department will be examined.
Notes: Restrictions: Not open to students who have taken GLIS 644
Prerequisite: INFS 619.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 645
Credit Weight: 3
Transcript Title: Archival Principles & Practice
Calendar Title: Archival Principles and Practice.
Description: Fundamental principles and practices of archival studies, including records life cycle, history of archives, cultural memory, authentic recordkeeping systems, acquisition, appraisal, arrangement, description, preservation, reference and access, social and cultural systems, financial and legal systems, ethics, advocacy programs, fund raising, legal issues, archives-related professions, research methodology and implementation.
Notes: Restrictions: Not open to students who have taken GLIS 645
NOTE: Advanced work in archival science is available to a few students who do well in the introductory course.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 649
Credit Weight: 3
Transcript Title: Digital Curation
Calendar Title: Digital Curation.
Description:
The life-cycle and value-added management of digital content for future use, re-use and access. Addresses strategies, principles, and practices of digital preservation, digital curation, digital collection management, institutional repositories, trusted digital repositories, metadata, and file formats at archives, libraries, museums, data centers, and other cultural heritage institutions.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 650
Credit Weight: 3
Transcript Title: Digital Libraries
Calendar Title: Digital Libraries.
Description:
Analysis of the complex concepts and applications that professionals are likely to encounter in the design, development, and management of digital libraries. Topics include digital objects, knowledge representations and discovery, architecture, user behaviour, services, and evaluation.

Notes:
Prerequisite: INFS 617 and GLIS 617.
Not open to students who have taken GLIS 650.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 655
Credit Weight: 3
Transcript Title: Language and Information
Calendar Title: Language and Information.
Description:
An explanation of the relationship between language and information science through consideration of: document representations for information retrieval; bilingual/multilingual systems; natural language processing; language barriers to information transfer.

Notes:
Not open to students who have taken GLIS 655.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 656
Credit Weight: 3
Transcript Title: Abstracting and Indexing
Calendar Title: Abstracting and Indexing.
Description:
Principles and practical methods of abstracting and indexing. Topics include pre- and post-coordinate indexing, concept analysis, vocabulary control, construction and evaluation of thesauri and of indexes for books, periodicals, and series; emphasis on the role of the computer in indexing.

Notes:
Prerequisite: INFS 607 and GLIS 607.
Not open to students who have taken GLIS 656.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 657
Credit Weight: 3
Transcript Title: Database Design & Development
Calendar Title: Database Design and Development.
Description: Theoretical and applied principles of relational database design. Includes relational theory, conceptual design, database normalization, relational database management systems, SQL queries and database management.
Notes: Prerequisite: INFS 617 and GLIS 617.
Not open to students who have taken GLIS 657.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 660
Credit Weight: 3
Transcript Title: Enterprise Content Management
Calendar Title: Enterprise Content Management.
Description: Management of an organization's content in digital forms that relate to the organization's operational processes for compliance, governance and decision-making purposes. Addresses principles, strategies, methods and tools used in the lifecycle management of the content, including capture, workflow, classification, metadata, collaboration, preservation, and delivery.
Notes: Not open to students who have taken GLIS 660.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 661
Credit Weight: 3
Transcript Title: Knowledge Management
Calendar Title: Knowledge Management.
Description: An introduction to knowledge management and its links to information systems and information professionals. A broad overview of the creation, capture, codification, sharing and application of knowledge in both tacit and explicit forms. Emphasis is placed on the tools and techniques as well as the role of organizational culture.
Notes: Corequisite: INFS 601.
Not open to students who have taken GLIS 661.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 662
Credit Weight: 3
Transcript Title: Intellectual Capital
Calendar Title: Intellectual Capital.
Description: Understanding the strategic role of intellectual assets: how individuals,
Communities and organizations can identify and leverage their knowledge, experience, expertise and innovations more systematically to create value for the organization. Emphasis is placed on understanding the links between individuals and the organization in the sharing of intellectual assets.

Notes:
Not open to students who have taken GLIS 662.

Administering Faculty: Graduate Studies

Teaching Department: Information Studies

Status (catalog level): Active

INFS 663
Credit Weight: 3

Transcript Title: Knowledge Taxonomies

Calendar Title: Knowledge Taxonomies.

Description:
Basic classification and categorization methods, major taxonomy tools and technologies and practice in knowledge mapping and modelling. Theory and techniques of organization of both tacit and explicit knowledge at three levels: individual, community and the organization. Emphasis will be placed on the social nature of knowledge codification.

Notes:
Not open to students who have taken GLIS 663.

Administering Faculty: Graduate Studies

Teaching Department: Information Studies

Status (catalog level): Active

INFS 664
Credit Weight: 3

Transcript Title: Managing Knowledge Communities

Calendar Title: Managing Knowledge Communities.

Description:
Stages in the development of informal knowledge sharing groups and the roles and responsibilities of information professionals are examined. Focus is on the analysis of knowledge flow, knowledge creation and dissemination within and between different networks of knowledge.

Notes:
Not open to students who have taken GLIS 664.

Administering Faculty: Graduate Studies

Teaching Department: Information Studies

Status (catalog level): Active

INFS 665
Credit Weight: 3

Transcript Title: Competitive Intelligence

Calendar Title: Competitive Intelligence.

Description:
Competitive intelligence process in for-profit and not for-profit organizations. Principles and tools for identifying competitive intelligence needs; acquiring, organizing and storing information; creating intelligence through analytical techniques; developing and distributing intelligence products. Legal and ethical aspects, information audits, and cooperative intelligence.

Notes:
Not open to students who have taken GLIS 665.

Administering Faculty: Graduate Studies

Teaching Department: Information Studies

Status (catalog level): Active
INFS 671
Credit Weight: 3
Transcript Title: Health Sciences Information
Calendar Title: Health Sciences Information.
Description: A survey of information services and sources (both electronic and print) for health care professionals and the general public. An exploration of the information needs of health professionals and scientists; the role of health libraries and librarians; principles of health and biomedical library practice, functions, and management.
Notes: Not open to students who have taken GLIS 671.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 672
Credit Weight: 3
Transcript Title: Law Information
Calendar Title: Law Information.
Description: The nature and scope of law librarianship and legal information sources; examination of the organization of legal knowledge, the legal research process, law information sources both print and electronic.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 673
Credit Weight: 3
Transcript Title: Bioinformatics Resources
Calendar Title: Bioinformatics Resources.
Description: Bioinformatics from a library and information science perspective: biological foundation for bioinformatics; bioinformatics information needs and behaviours; information retrieval using key bioinformatics resources; the role of biology, computer science and library and information science; ethics.
Notes: Prerequisite: INFS 619 and GLIS 619.
Not open to students who have taken GLIS 673.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 679
Credit Weight: 3
Transcript Title: Information Literacy
Calendar Title: Information Literacy.
Notes: Prerequisite: INFS 619 and GLIS 619.
Not open to students who have taken GLIS 679.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active
INFS 680
Credit Weight: 3
Transcript Title: Intro to Info Secrty&Crypgrphy
Calendar Title: Introduction to Information Security and Cryptography.
Description: Introduction to cybersecurity and cryptography. Examination of the main threats that organizations face in the protection of data and information concerning their customers and trade secrets. Basic control mechanisms and processes that can be put in place to protect against these threats as well as a general introduction to the concepts of cryptography as a way to ensure secure communications.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 681
Credit Weight: 3
Transcript Title: Modern SoftwareExploit&Defence
Calendar Title: Modern Software Exploitation and Defence.
Description: Modern exploitation and defence techniques for binary executables, web applications and practices that compromise modern protective techniques. Topics include reverse engineering, string format vulnerability, code injection, tools used against web applications such as a cross-site scripting, session hijacking and SQL injection.
Notes: Corequisite: INFS 680
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 682
Credit Weight: 3
Transcript Title: Network and Endpoint Security
Calendar Title: Network and Endpoint Security.
Description: Network security and the various technologies, policies, and procedures that are used in combination to create multiple layers of protection within an organization's computer network. Vulnerabilities and threats to networks and the many network security controls that are currently available to address them.
Notes: Corequisite: INFS 680
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 683
Credit Weight: 3
Transcript Title: Windows and Linux OS Hardening
Calendar Title: Windows and Linux OS Hardening.
Description: Operating system (OS) hardening techniques for Windows and Linux. Fundamental and advanced topics in operating system security and provides an awareness of potential OS security breaches and practical skills used to secure modern operating systems. Topics include credential management, process protection, memory protection, malware mitigation, firewall configuration, and intrusion
detection tools.

Notes:
Corequisite: INFS 680

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 684
Credit Weight: 3
Transcript Title: Information Security Management
Calendar Title: Information Security Management.
Description:
An overview of information security management within an organization. Management
of and response to information security threats, whether they be internal or
external, discrete or persistent, non-destructive or catastrophic. Topics include
information security policy and governance, risk and vulnerability detection,
threat readiness, investigation, recovery, privacy and legislation. Includes a
capstone project.

Notes:
Prerequisite: INFS 680, INFS 681, INFS 682 and INFS 683

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 688
Credit Weight: 6
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description:
A research study on a topic in library and information studies that augments or
elaborates upon the curriculum.

Notes:
Prerequisite: INFS 611 or GLIS 611.
Not open to students who have taken GLIS 688, 688D1/D2.
The subject will vary according to the student’s interests.
The student will work with a faculty supervisor to plan and pursue an
individualized program of research.
Students must register for both INFS 688D1 and INFS 688D2.
No credit will be given for this course unless both INFS 688D1 and INFS 688D2 are
successfully completed in consecutive terms.
INFS 688D1 and INFS 688D2 together are equivalent to INFS 688.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 688D1
Credit Weight: 3
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description:
A research study on a topic in library and information studies that augments or
elaborates upon the curriculum.

Notes:
Prerequisite: INFS 611 or GLIS 611.
Not open to students who have taken GLIS 688, 688D1/D2.
The subject will vary according to the student’s interests.
The student will work with a faculty supervisor to plan and pursue an
individualized program of research.
Students must register for both INFS 688D1 and INFS 688D2.
No credit will be given for this course unless both INFS 688D1 and INFS 688D2 are successfully completed in consecutive terms.
INFS 688D1 and INFS 688D2 together are equivalent to INFS 688.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 688D1
Credit Weight: 3
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description:
A research study on a topic in library and information studies that augments or elaborates upon the curriculum.
Notes:
Prerequisite: INFS 611 or GLIS 611.
Not open to students who have taken GLIS 688, 688D1/D2.
The subject will vary according to the student's interests.
The student will work with a faculty supervisor to plan and pursue an individualized program of research.
Students must register for both INFS 688D1 and INFS 688D2.
No credit will be given for this course unless both INFS 688D1 and INFS 688D2 are successfully completed in consecutive terms.
INFS 688D1 and INFS 688D2 together are equivalent to INFS 688.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 689
Credit Weight: 3
Transcript Title: Selected Topics
Calendar Title: Selected Topics.
Description:
Exploration of a topic in library and information studies which elaborates or augments the curriculum through an individualized program of directed study which will vary according to the student's interests.
Notes:
Prerequisite: INFS 601 and permission of Graduate Program Director.
Not open to students who have taken GLIS 689.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 690
Credit Weight: 3
Transcript Title: Information Policy
Calendar Title: Information Policy.
Description:
Information societies are examined from a global perspective, emphasizing political, economic, social cultural and ethical issues including the roles of government and the private sector in providing information systems and services, transborder data flow, information access at personal, institutional and national level, censorship, copyright and data security.
Notes:
Prerequisite: INFS 601 and GLIS 601.
Not open to students who have taken GLIS 690.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Information Studies

**Status (catalog level)**: Active

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**INFS 691**

**Credit Weight**: 3

**Transcript Title**: Special Topics 1

**Calendar Title**: Special Topics 1.

**Description**: Seminar to explore topics of particular interest to library and information studies. Topics vary from year to year.

**Notes**: Not open to students who have taken GLIS 691.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Information Studies

**Status (catalog level)**: Active

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**INFS 692**

**Credit Weight**: 3

**Transcript Title**: Special Topics 2

**Calendar Title**: Special Topics 2.

**Description**: Seminar to explore topics of particular interest to library and information studies. Topics vary from year to year.

**Notes**: Not open to students who have taken GLIS 692.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Information Studies

**Status (catalog level)**: Active

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**INFS 693**

**Credit Weight**: 3

**Transcript Title**: Special Topics 3

**Calendar Title**: Special Topics 3.

**Description**: Seminar to explore topics of particular interest to library and information studies. Topics vary from year to year.

**Notes**: Not open to students who have taken GLIS 693.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Information Studies

**Status (catalog level)**: Active

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**INFS 696D1**

**Credit Weight**: 6

**Transcript Title**: Research Paper 2

**Calendar Title**: Research Paper 2.

**Description**: Explores a minor topic relevant to the Graduate Diploma student's program of study and results in a scholarly paper with potential for publication.

**Notes**: Not open to students who have taken GLIS 696D1/D2.

Students must register for both INFS 696D1 and INFS 696D2

No credit will be given for this course unless both INFS 696D1 and INFS 696D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 696D2
Credit Weight: 6
Transcript Title: Research Paper 2.
Calendar Title: Research Paper 2.
Description: Explores a minor topic relevant to the Graduate Diploma student's program of study and results in a scholarly paper with potential for publication.
Notes: Not open to students who have taken GLIS 696D1/D2.
Students must register for both INFS 696D1 and INFS 696D2
No credit will be given for this course unless both INFS 696D1 and INFS 696D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 699
Credit Weight: 3
Transcript Title: Practicum
Calendar Title: Practicum.
Description: Application of theoretical knowledge in an information environment and acquisition of basic professional skills through practice.
Notes: Prerequisites: 24 credits (4 required and 4 complementary courses) and approval of academic adviser and practicum coordinator.
Not open to students who have taken GLIS 699.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 701
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: Defence of a comprehensive research proposal.
Notes: Not open to students who have taken GLIS 701.

Administering Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 702
Credit Weight: 3
Transcript Title: Seminar in Information Studies
Calendar Title: Seminar in Information Studies.
Description: Examination of students' own specific areas of doctoral research within the broader field of information studies and comparisons of those areas with other traditions of inquiry. Theoretical models and research methodologies as applied in information studies.
INFS 703
Credit Weight: 3
Transcript Title: Research Paradigms in IS
Calendar Title: Research Paradigms in Information Studies.
Description: Philosophical foundations of research in information studies, including traditions, approaches, methods, and models of inquiry to provide the capacity to critically assess the value of qualitative and quantitative research methods in relation to specific research problems identified in the discipline.
Notes: Not open to students who have taken GLIS 703.
Administrating Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 704
Credit Weight: 3
Transcript Title: Research Design in IS
Calendar Title: Research Design in Information Studies.
Description: Research project design and its application to the specific dissertation proposal through the exploration of ways to operationalize key concepts in information studies and to identify critical steps in data collection and analysis.
Notes: Not open to students who have taken GLIS 704.
Administrating Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active

INFS 705
Credit Weight: 3
Transcript Title: Readings in IS
Calendar Title: Readings in Information Studies.
Description: Exploration of the literature specifically relevant to the proposed area of research.
Notes: Restriction: Not open to students who have taken GLIS 705.
Administrating Faculty: Graduate Studies
Teaching Department: Information Studies
Status (catalog level): Active
INLG 210
Credit Weight: 3
Transcript Title: Intro to an Indigenous Language
Calendar Title: Introduction to an Indigenous Language.
Description:
A linguistically-informed introduction to learning and speaking specific Indigenous languages, including sounds and the sound system of the language (phonetics and phonology), word formation (morphology), sentence structure and meaning (syntax and semantics).
Notes:
Supplementary Calendar Info: Language of instruction may vary. Courses may be on campus or in an Indigenous community.
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

INLG 230
Credit Weight: 3
Transcript Title: Phonetics for Indigenous Langs
Calendar Title: Phonetics for Indigenous Languages.
Description:
Transcription, identification, and production of speech sounds, with a focus on sounds that are relevant to the Indigenous language(s) of study. Introduction to the articulation of speech sounds, acoustic analysis of speech, and orthography versus transcription. Applications of phonetics for practical use in speaking, comprehension, and writing Indigenous languages.
Notes:
Language(s) of focus may vary depending on instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

INLG 310
Credit Weight: 3
Transcript Title: Study of an Indigenous Lang
Calendar Title: Study of an Indigenous Language.
Description:
Continuation of the linguistically-informed learning and speaking of specific Indigenous languages. Advanced study of sounds and the sound system of language (phonetics and phonology), word formation (morphology), sentence structure and meaning (syntax and semantics).
Notes:
Prerequisite: INLG 210
Language may vary depending on instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

INLG 330
Credit Weight: 3
Transcript Title: Analy of an Indigenous Lang
Calendar Title: Analysis of an Indigenous Language.
Description:
Topics in word formation (morphology) and sentence formation (syntax) in specific Indigenous languages. Linguistic principles relevant to grammatical phenomena in Indigenous languages, and principles of language structure, grammatical categories, and grammatical analysis. Practical applications in producing and
understanding words and sentences.

Notes:
Prerequisite: LING 230
Language(s) of focus may vary depending on instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

INLG 430
Credit Weight: 3
Transcript Title: Adv Analy of an Indigenous Lang
Calendar Title: Advanced Analysis of an Indigenous Language.
Description:
Advanced topics in the grammar of specific Indigenous languages, with a focus on conceptual tools needed to produce and understand novel complex utterances and discourse in the language. Techniques for discovering and documenting grammatical and lexical phenomena.

Notes:
Prerequisite: LING 330

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

INLG 480
Credit Weight: 3
Transcript Title: Topics in Indigenous Languages
Calendar Title: Topics in Indigenous Languages.
Description:
Intermediate to advanced selected topics in Indigenous languages such as language revitalization theory and practice; digital tools and best practices for language documentation; transcription and translation of Indigenous languages; structures of oral literature and performance; accessing and using archival materials.

Notes:
Prerequisite: LING 330
Topics may vary depending on instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active
INSY 331
Credit Weight: 3
Transcript Title: Managing and Organizing Digital Technology.
Calendar Title: Managing and Organizing Digital Technology.
Description: Tools and concepts necessary to manage information systems in an organization: hardware/software/telecom administration, knowledge discovery/management, web-technologies, and computer security. Focuses on both mechanical aspects of IT and conceptual understanding with regard to impact on business organizations.
Notes: Prerequisite: MGCR 331
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 333
Credit Weight: 3
Transcript Title: Systems Analysis & Modelling
Calendar Title: Systems Analysis and Modeling.
Description: First two phases of the software development life cycle. Techniques used to conduct system requirement analysis, practical application of the analyst role in identifying operational problems, defining information system requirements, working with technical and non-technical staff, and making recommendations for system improvement.
Notes: Prerequisite: MGCR 331
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 336
Credit Weight: 3
Transcript Title: Data Handling & Coding for Analytics
Calendar Title: Data Handling and Coding for Analytics.
Description: Preparation and analysis of data for business analytics. Topics include: data acquisition, data manipulation and computer programming for statistical analysis.
Notes: Prerequisite: MGCR 331
Restrictions: Open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 339
Credit Weight: 3
Transcript Title: IT Consulting
Calendar Title: IT Consulting.
Description: Examination of the full "life-cycle" from initial contact to project termination. How an IT consultant manages their practice.
Notes: Prerequisite: MGCR 331
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
INSY 341  
Credit Weight: 3  
Transcript Title: Developing Business Apps  
Calendar Title: Developing Business Applications.  
Description: Fundamental programming techniques, concepts, and data structures. Discusses modularization and maintainability. Emphasis on facilitating communication and understanding between systems analysts and programmers to support decision-making.  
Notes: Prerequisite: MGCR 331  
Administering Faculty: Desautels Faculty Management  
Teaching Department: Management  
Status (catalog level): Active

INSY 430  
Credit Weight: 3  
Transcript Title: IT in Financial Markets  
Calendar Title: IT in Financial Markets.  
Description: How IT has impacted various parts of the financial services sector including stock markets, brokerage houses, retail banking and insurance.  
Notes: Prerequisite: MGCR 331  
Administering Faculty: Desautels Faculty Management  
Teaching Department: Management  
Status (catalog level): Active

INSY 431  
Credit Weight: 3  
Transcript Title: IT Implementation Management  
Calendar Title: IT Implementation Management.  
Description: Exposure to a variety of real-life strategic and operational issues that arise when implementing IT. It may involve the selection process of an information technology, its introduction, implementation, management and/or improvement.  
Notes: Prerequisite: MGCR 331  
Administering Faculty: Desautels Faculty Management  
Teaching Department: Management  
Status (catalog level): Active

INSY 432  
Credit Weight: 3  
Transcript Title: Digital Business Models  
Calendar Title: Digital Business Models.  
Description: Discusses the role of the information systems in enabling new digital business models within and across organizations. Focuses on platforms and models of the sharing economy in different industries as well as new forms of business activities enabled by technologies. Discusses economic, strategic and organizational issues of these models.  
Notes: Prerequisite: MGCR 331  
Restricted to U2 and U3 students.  
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 434
Credit Weight: 3
Transcript Title: Topics in IS 1
Calendar Title: Topics in Information Systems 1.
Description:
Current topics in the area of information systems.
Notes:
Prerequisite: MGCR 331
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 437
Credit Weight: 3
Transcript Title: Managing Data & Databases
Calendar Title: Managing Data and Databases.
Description:
Management of organizational data, implementation of database management systems, and the roles and responsibilities of data management personnel. Explores different models of data representation with an emphasis on the relational model; simple and complex SQL queries.
Notes:
Prerequisite: MGCR 331
Management: students are encouraged to take this course as early as possible in their program.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 440
Credit Weight: 3
Transcript Title: E-Business
Calendar Title: E-Business.
Description:
Build the knowledge base and skills needed to face today's electronic business challenges, opportunities, and issues. Explore important concepts, models, tools and applications related to e-business.
Notes:
Prerequisite: MGCR 331
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 442
Credit Weight: 3
Transcript Title: Data Analysis & Visualization
Calendar Title: Data Analysis and Visualization.
Description:
Overview of methods and tools for analyzing business data to improve business decision-making, focusing on data visualization using hands-on learning.
Notes:
Prerequisites: MGCR 331 or permission of the instructor and approval of the BCom Program Office.
Restriction(s): Open to U2 and U3 students.

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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**INSY 444**

**Credit Weight:** 3

**Transcript Title:** Online Communities & Open Innovation

**Calendar Title:** Online Communities and Open Innovation

**Description:**

This course is intended to help students learn about and analyze the phenomena of online communities and open innovation. The potential of OI to revolutionize markets and businesses will be a core part of the course.

**Notes:**

Prerequisite: MGCR 331

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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**INSY 446**

**Credit Weight:** 3

**Transcript Title:** Data Mining for Business Analytics

**Calendar Title:** Data Mining for Business Analytics

**Description:**

Practical methods and techniques for data mining and predictive analytics to solve business problems. Use of statistical tools for hands-on learning. Topics covered include supervised learning, unsupervised learning, and text mining.

**Notes:**

Corequisite: INSY 336

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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**INSY 448**

**Credit Weight:** 3

**Transcript Title:** Text & Social Media Analytics

**Calendar Title:** Text and Social Media Analytics

**Description:**

The unlimited opportunities that exist today to leverage the power of user generated content analytics, focusing on questions ranging from strategic to operational matters pertaining to a firm’s social media initiatives, metrics to capture relevant outcomes, and predictive analysis to link social media chatter to business performance.

**Notes:**

Prerequisite(s): MGCR 331, INSY 336 or permission of the instructor and approval of the BCom Program Office.

Restriction(s): Open only to U2 and U3 students.

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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**INSY 450**

**Credit Weight:** 3

**Transcript Title:** IS Project Management

**Calendar Title:** Information Systems Project Management

**Description:**
Practical principles of project management essential to successful IS development projects or other complex undertakings within an organization; includes methods for defining, planning, and scheduling activities and resources. Discusses managerial and behavioural issues.

Notes:
Prerequisite: MGCR 331 or permission of Instructor and approval of the BCom Office
Restrictions: Restricted to U2 and U3 students.
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 454
Credit Weight: 3
Transcript Title: Tech Foundation for E-Commerce
Calendar Title: Technological Foundation for E-Commerce.
Description:
Technology trends and vocabulary pertaining to current technology developments in E-Commerce. Practical IT skills in web application design, including ASP, XML, etc. Discusses business issues affected by the introduction of e-technologies.

Notes:
Prerequisite: MGCR 331
Restriction: A basic understanding of HTML is necessary.
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 455
Credit Weight: 3
Transcript Title: Tech&Innov for Sustainability
Calendar Title: Technology and Innovation for Sustainability.
Description:
The role of information and other technologies in the size and nature of an organization's environmental `footprint`. Achieving sustainability through strategic innovation, such as digitization, recycling, reuse of materials, sustainable design, LEED certifications, smart grids and energy metrics. Analyzing the environmental benefits and hidden costs of novel technologies.

Notes:
Restriction: Open only to U2 and U3 students.
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 463
Credit Weight: 3
Transcript Title: Deep Lrng. for Bus. Analytics
Calendar Title: Deep Learning for Business Analytics.
Description:
Theory of Neural Networks and its applications for business analytics, including how to build and train Neural Networks to derive insights from unstructured text and image data in business contexts. Introduction to the ecosystem of software packages needed in Python, including: NumPy, Pandas, Sklearn. The theory and implementation of Neural Networks and Deep Learning. How to apply various deep learning models to real-world problems and demonstration of their power in the new data-abundant business world.

Notes:
Corequisite: INSY 446
Prerequisite: INSY 336

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INSY 606
Credit Weight: 3
Transcript Title: Technology Management
Calendar Title: Technology Management.
Description: Technological innovation, management of the R&D process, economic assessment and justification, and the state of the art in service, manufacturing, open source, and IT innovation.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 607
Credit Weight: 3
Transcript Title: Technology Consulting
Calendar Title: Technology Consulting.
Description: Technology consultation management, focusing on analysis, presentation, leadership, team building, and cross-discipline work.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 608
Credit Weight: 3
Transcript Title: Winning with IT
Calendar Title: Winning with IT.
Description: How information technology has impacted and changed work, processes, and markets. Successful technology deployment and strategies are identified and analyzed.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 609
Credit Weight: 3
Transcript Title: Technology Project Management
Calendar Title: Technology Project Management.
Description: Managing a technology consultation practice.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 642
Credit Weight: 3
Transcript Title: Tech. and Tools for Analytics
Calendar Title: Techniques and Tools for Analytics.
Description: The methods and tools needed to analyze business data and to improve business
decision making, including data manipulation, analysis, visualization and interpretation of real-world data.

Notes:
Restriction(s): NOT OPEN TO STUDENTS WHO HAVE TAKEN INSY 690 WHEN TOPIC WAS ¿INSIGHTS IN BIG DATA AND DATA ANALYTICS¿
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 652
Credit Weight: 3
Transcript Title: Predictive Analytics
Calendar Title: Predictive Analytics.
Description:
Practical methods for predictive analytics using statistical tools for hands-on learning, building upon regression and classification concepts covered in prior courses. Topics covered will include analytic thinking, supervised segmentation, model performance, and text mining, with the objective of understanding how to increase predictive performance.
Notes:
Prerequisite(s): INSY 642
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 653
Credit Weight: 3
Transcript Title: Analytics for Dig Bus Models
Calendar Title: Analytics for Digital Business Models.
Description:
Conceptual background coupled with hands-on experience with methods and tools needed to enable digital business models to strategically leverage analytics, with the goal of improving firm performance and decision-making, and attaining a competitive advantage. Topics include understanding online word-of-mouth through analysis of structured and unstructured data, distinguishing between homophily and influence in online social networks, mobile commerce, and more.
Notes:
Prerequisite(s): INSY 642 Minimum Grade or Test Scores : B-
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 660
Credit Weight: 3
Transcript Title: Coding Fndtns for Analytics
Calendar Title: Coding Foundations for Analytics.
Description:
Students will be exposed to a broad set of topics, including fundamentals of computer programming, coding for data acquisition and data manipulation, and specific operational issues related to ¿big data¿ analytics. Course material will also cover data privacy, security, and ethical issues.
Notes:
** Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.
** No web drop allowed
**Web withdrawal not applicable.
**Web ADD only.
INSY 661
Credit Weight: 3
Transcript Title: Data & Dist Sys for Analytics
Calendar Title: Database and Distributed Systems for Analytics.
Description:
This course will present the student with many key concepts relating to database technology, how database technology is being used for managing large datasets, and the opportunity to put these concepts to practice. This course will cover database management system (DBMS) concepts, database architecture, database design using entity-relationship (ER) modeling, data storage, file organization, the SQL language, normalization, data integrity, database security, data warehousing, and big data related technologies such as NoSQL, Hadoop, MapReduce, Pic, and Hive.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the fourth lecture day
**Web ADD only.
**No web drop allowed.
**Web withdrawal not applicable.

INSY 662
Credit Weight: 3
Transcript Title: Data Mining and Visualization
Calendar Title: Data Mining and Visualization.
Description:
The course will teach practical analytics methods and use R (a tool widely used by data analysts) to provide hands on experience on the data mining techniques covered in the class. The focus of the course is on the application of the tools and techniques rather than learning the theory and math behind the models. This course builds upon concepts of data manipulation and coding seen in INSY 660 and covers these tools and techniques in much more depth. Students will be exposed to real world datasets and examples to get hands-experience with making business decisions using dating mining and predictive analytics, and provide R code to apply the predictive models learned in class. At end of this course students will be comfortable using different data mining techniques to solve business problems on their own using R.

INSY 665
Credit Weight: 3
Transcript Title: Making Sense of Data
Calendar Title: Making Sense of Data.
Description:
Collecting, analyzing and understanding data. How organizations store and analyze data.
Notes:
Restrictions: Not open to students who have taken INSY 691 when topic was "Making Sense of Data".
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**INSY 669**  
**Credit Weight:** 1.5  
**Transcript Title:** Text Analytics  
**Calendar Title:** Text Analytics.  
**Description:**  
Introduction to the basics of text mining and text-based predictions, including leading scripts/packages/libraries like SentiStrength (for sentiment analysis), categorization and classification of a variety of documents. The application of text analytics in solving real-world business problems.  
**Notes:**  
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**INSY 670**  
**Credit Weight:** 1.5  
**Transcript Title:** Social Media Analytics  
**Calendar Title:** Social Media Analytics.  
**Description:**  
Methods and tools to leverage the power of social media, with a focus on a variety of questions ranging from strategic to operational matters pertaining to firms' social media initiatives, metrics to capture relevant outcomes, and predictive analytics to link social media chatter to business performance.  
**Notes:**  
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**INSY 671**  
**Credit Weight:** 1.5  
**Transcript Title:** Analytics and Open Innovation  
**Calendar Title:** Analytics and Open Innovation.  
**Description:**  
This course provides a comprehensive introduction to the use of data analytics in the context of open innovation. Students will draw from existing knowledge from prior courses in the Masters program as well as learn new tools and techniques that can be applied to answer real-world questions about open innovation.  
**Notes:**  
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**INSY 672**  
**Credit Weight:** 1.5  
**Transcript Title:** Healthcare Analytics  
**Calendar Title:** Healthcare Analytics.
Description:
Students will get hands-on experience with real-world datasets to examine how data analytics can be used to predict and understand disease outbreaks, how analytics can be used to improve the operation of hospitals, and the manner in which analytics can be used as decision support for physicians to diagnose and treat patients. By the end of the course, students should be able to develop an appreciation on the changes that are taking place in the provision of healthcare services due to analytics and the role and opportunities for analytics to reduce cost and improve quality of healthcare in their communities.

Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 673
Credit Weight: 1.5
Transcript Title: Security Analytics
Calendar Title: Security Analytics.

Description:
This course provides a comprehensive introduction to data analytics in the context of information security. Students will understand how to leverage data analytics to help in visualizing, detecting, and analyzing information security data. Students will be exposed to real-world datasets and tools and techniques that can be applied to analyze those data.

Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 690
Credit Weight: 3
Transcript Title: Advanced Topics in Mgmt IS 1
Calendar Title: Advanced Topics in Management Information Systems 1.

Description:
Current topics in management information systems.

Notes:
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 691
Credit Weight: 3
Transcript Title: Advanced Topics in Mgmt IS 2
Calendar Title: Advanced Topics in Management Information Systems 2.

Description:
Current topics in management information systems.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 695
Credit Weight: 1.5
Transcript Title: Adv Topics in Information Syst
Calendar Title: Advanced Topics in Information Systems.
Description: Current emerging topics in information systems. Course content will vary each term.
Notes: Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 704
Credit Weight: 3
Transcript Title: Organizational Impacts of IT
Calendar Title: Organizational Impacts of Information Technology.
Description: Review of organizational impacts of information technology.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 705
Credit Weight: 3
Transcript Title: Seminar in Information Systems
Calendar Title: Seminar in Information Systems.
Description: Selected topics in information systems.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 706
Credit Weight: 3
Transcript Title: IT Acceptance & Usage
Calendar Title: Information Technology Acceptance and Usage.
Description: Individual and organizational acceptance of information technologies (IT), including how users react to the implementation of new IT.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 707
Credit Weight: 3
Transcript Title: Strategic Management of IT
Calendar Title: Strategic Management of IT.
Description: Strategic management of information technology and the potential use of information technology to improve organizational competitive advantage.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 708
Credit Weight: 3
Transcript Title: Technology and Collaboration
Calendar Title: Technology and Collaboration.
Description:
Course will examine how information technology advances are transforming work practices, improving knowledge exchange, and facilitating collaboration across time and space. The course develops a review of the existing research literature on the reciprocal impact of information technology on organizations and organizing.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

INSY 709
Credit Weight: 3

Transcript Title: IT & Digital Economy
Calendar Title: Information Technology and Digital Economy.
Description:
Course will prepare doctoral students to evaluate and write articles using quantitative economic methods. The course is designed for PhD students with a variety of backgrounds, and is appropriate for students from information systems, operations management, strategy, marketing, finance, and accounting areas.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
INTD 200
Credit Weight: 3
Transcript Title: Intro to Int'l Development
Calendar Title: Introduction to International Development.
Description:
An interdisciplinary introduction to the field of International Development Studies focusing on the theory and practice of development. It examines various approaches to international development, including past and present relationships between developed and underdeveloped societies, and pays particular attention to power and resource distribution globally and within nations.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 350
Credit Weight: 3
Transcript Title: Culture and Development
Calendar Title: Culture and Development.
Description:
This is a general survey course intended to familiarize students with the complexities surrounding the interaction between culture and development from a variety of theoretical perspectives. Specific themes may include religion, democracy, gender, diaspora communities and the environment, using relevant case studies from the developing world.
Notes:
Prerequisite(s): A 200 or 300 level course related to International Development, or permission of instructor.
Restriction(s): Not open to students who have taken INTD 397 with the same topic: "Culture and Development" prior to Fall 2017. Open to U2 and U3 students only.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 352
Credit Weight: 3
Transcript Title: Disasters and Development
Calendar Title: Disasters and Development.
Description:
Examines how disasters shape and are shaped by socio-economic conditions, inequalities and development processes through interdisciplinary investigation and a wide range of case studies. Analyzes disaster risk reduction, response and recovery efforts from the global to local levels, as well as survivors' perspectives and experiences.
Notes:
Prerequisite: A 200 or 300 level course related to International Development, or permission of instructor.
Restriction: Not open to students who have taken INTD 397 when topic was "Disasters and Development" [fall 2018]. Open to U2 and U3 students only.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 354
Credit Weight: 3
Transcript Title: Civil Society and Development
Calendar Title: Civil Society and Development.
Description:
Introduction to the study of civil society and development. Critically engages with both conventional socio-political views and emerging perspectives of civil society. Employs political, sociological, and anthropological perspectives to understand the multifaceted, and socio-cultural implications of civil society in both developing and developed countries. Examines civil society’s impact, capacity, and behavior through a wide range of development themes.

Notes:
Prerequisite: A 200 or 300 level course related to International Development, or permission of instructor.
Restriction: Not open to students who have taken INTD 397 when topic was "Civil Society and Development" [Winter 2017, Winter 2018]. Open to U2 and U3 students only.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 356
Credit Weight: 3
Transcript Title: Quantitative Methods for Dev
Calendar Title: Quantitative Methods for Development.
Description: Introduction to quantitative methods for impact evaluation. Builds from fundamental concepts in statistics; introduction of an intuitive conceptual framework to think about causal effects. Simple but rigorous data analytics, design and implement randomized controlled trials, regression analysis, or implement other main methods for impact evaluation.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 358
Credit Weight: 3
Transcript Title: Ethnographic Approaches to Dev
Calendar Title: Ethnographic Approaches to Development.
Description: Consideration of how anthropologists have used ethnographic methods to evaluate, criticize and reform development. Drawing on ethnographies of ¿Big D¿ development, as well as small-scale grassroots initiatives, exploration of how qualitative methods have been used to strengthen development practice from within and deconstruct development ideology from without. Topics include state driven, participatory and internationally sponsored development; gender; ¿aidnography¿; neoliberalism; markets and microcredit.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 360
Credit Weight: 3
Transcript Title: Envrnmntl Challenges in Dev
Calendar Title: Environmental Challenges in Development.
Description: Examination of some of the great environmental challenges of our times, and some of the ways in which the development community has tackled them.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active
INTD 397
Credit Weight: 3
Transcript Title: Topics in Int'l Development
Calendar Title: Topics in International Development.
Description:
Examines topics in specific problem areas in International Development Studies. Content varies every term.
Notes:
Prerequisite: A 200 or 300 level course related to International Development, or permission of instructor.
Restriction: Open to U2 and U3 students only.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 398
Credit Weight: 3
Transcript Title: Topics: Conflict & Development
Calendar Title: Topics in Conflict and Development.
Description:
Examines topics in specific problem areas in international development studies and in areas of conflict and development.
Notes:
Prerequisite: A 200 or 300 level course related to international development, or permission of the instructor.
Restrictions: Open to U1, U2, and U3 students.
Students can take multiple topics courses under INTD as long as the topics are different.
Content varies every term.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 490
Credit Weight: 3
Transcript Title: Development Research Project
Calendar Title: Development Research Project.
Description:
Supervised reading, research project in international development. Requirements consist of a project proposal and final research report.
Notes:
Prerequisite: ECON 313
Restriction: Open to U2 and U3 students with a minimum CGPA of 3.30 and permission of the department Adviser. Only tenure track professors or McGill faculty lecturers may supervise.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 491
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading, research and preparation of an undergraduate thesis under the
direction of a staff member.

Notes:
Restriction: Open only to U3 Honours and Joint Honours students.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 491D1
Credit Weight: 1.5
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading, research and preparation of an undergraduate thesis under the
direction of a staff member.

Notes:
Students must register for both INTD 491D1 and INTD 491D2.
No credit will be given for this course unless both INTD 491D1 and INTD 491D2 are successfully completed in consecutive terms.
INTD 491D1 and INTD 491D2 together are equivalent to INTD 491.
Restriction: Open only to U3 Honours and Joint Honours students.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 491D2
Credit Weight: 1.5
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
See INTD 491D1 for course description.

Notes:
Prerequisite: INTD 491D1
No credit will be given for this course unless both INTD 491D1 and INTD 491D2 are successfully completed in consecutive terms.
INTD 491D1 and INTD 491D2 together are equivalent to INTD 491.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 491N1
Credit Weight: 1.5
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Supervised reading, research and preparation of an undergraduate thesis under the
direction of a staff member.

Notes:
Students must also register for INTD 491N2.
No credit will be given for this course unless both INTD 491N1 and INTD 491N2 are successfully completed in a twelve month period.
INTD 491N1 and INTD 491N2 together are equivalent to INTD 491.
Restriction: Open only to U3 Honours and Joint Honours students.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 491N2
Credit Weight: 1.5
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
See INTD 491N1 for course description.
Notes:
Prerequisite: INTD 491N1
No credit will be given for this course unless both INTD 491N1 and INTD 491N2 are successfully completed in a twelve month period. INTD 491N1 and INTD 491N2 together are equivalent to INTD 491.
Administrating Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 492
Credit Weight: 6
Transcript Title: Honours Thesis with Field Resrch
Calendar Title: Honours Thesis with Field Research.
Description:
Supervised reading, field work and research and preparation of an undergraduate thesis under the direction of a staff member.
Notes:
Requirements consist of previously approved project proposal, field component (usually carried out during the summer), and research thesis based on field work to be completed upon return.
Restriction: Open only to U3 Honours and Joint Honours students.
Restriction: Permission of an appropriate supervising instructor and program adviser required.
Administrating Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 492D1
Credit Weight: 3
Transcript Title: Honours Thesis with Field Resrch
Calendar Title: Honours Thesis with Field Research.
Description:
Supervised reading, field work and research and preparation of an undergraduate thesis under the direction of a staff member.
Notes:
Requirements consist of previously approved project proposal, field component (usually carried out during the summer), and research thesis based on field work to be completed upon return.
Students must register for both INTD 492D1 and INTD 492D2.
No credit will be given for this course unless both INTD 492D1 and INTD 492D2 are successfully completed in consecutive terms. INTD 492D1 and INTD 492D2 together are equivalent to INTD 492.
Restriction: Open only to U3 Honours and Joint Honours students.
Administrating Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 492D2
Credit Weight: 3
Transcript Title: Honours Thesis with Field Resrch
Calendar Title: Honours Thesis with Field Research.
Description:
See INTD 492D1 for course description.

Notes:
Prerequisite: INTD 492D1
No credit will be given for this course unless both INTD 492D1 and INTD 492D2 are successfully completed in consecutive terms.
INTD 492D1 and INTD 492D2 together are equivalent to INTD 492.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 492N1
Credit Weight: 3
Transcript Title: Hons Thesis with Field Resrch
Calendar Title: Honours Thesis with Field Research.
Description:
Supervised reading, field work and research and preparation of an undergraduate thesis under the direction of a staff member.

Notes:
Requirements consist of previously approved project proposal, field component (usually carried out during the summer), and research thesis based on field work to be completed upon return.
Students must also register for INTD 492N2.
No credit will be given for this course unless both INTD 492N1 and INTD 492N2 are successfully completed in a twelve month period.
INTD 492N1 and INTD 492N2 together are equivalent to INTD 492.
Restriction: Open only to U3 Honours and Joint Honours students.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 492N2
Credit Weight: 3
Transcript Title: Hons Thesis with Field Resrch
Calendar Title: Honours Thesis with Field Research.
Description:
See INTD 492N1 for course description.

Notes:
Prerequisite: INTD 492N1
No credit will be given for this course unless both INTD 492N1 and INTD 492N2 are successfully completed in a twelve month period.
INTD 492N1 and INTD 492N2 together are equivalent to INTD 492.

Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 497
Credit Weight: 3
Transcript Title: Adv. Topics: Int'l Development
Calendar Title: Advanced Topics in International Development.
Description:
A course on topics of common interest to faculty members and students of the International Development Studies programs.

Notes:
Restriction: Open only to students in final year of an IDS Concentration.
Students are permitted to take one section ONLY.
Administering Faculty: Faculty of Arts
Teaching Department: Inst for the St of Development
Status (catalog level): Active

INTD 498
Credit Weight: 3
Transcript Title: Honours Seminar in Int'l Dev
Calendar Title: Honours Seminar in International Development.
Description:
Seminar on selected topics in international development studies.

INTD 499
Credit Weight: 3
Transcript Title: Internship: Intl. Develop. St.
Calendar Title: Internship: International Development Studies.
Description:
Internship with an approved host institution or organization.
Notes:
Restriction(s): Open to U2 and U3 students with a minimum CGPA of 3.3 and permission of the department Internship Adviser. This course will not normally fulfill program requirements for seminar or 400-level courses. A letter from a supervisor at the institution must attest to the successful completion of the student's tenure. Only tenure track professors or McGill faculty lectures may supervise.

INTD 597
Credit Weight: 3
Transcript Title: Seminar in Int'l Development
Calendar Title: Seminar in International Development.
Description:
An interdisciplinary research seminar on topics of common interest to staff and students of the International Development Studies program. As part of their contribution, students will prepare a research paper under the supervision of one or more members of staff.
Notes:
Prerequisites: Permission of Instructor is required. At least one 400 level course listed in their International Development Studies Stream complementary course options.
Restriction: Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor.

INTD 657
Credit Weight: 3
Transcript Title: Development Studies Seminar
Calendar Title: Development Studies Seminar.
Description:
Special topics in international development studies.
Notes:
Restriction: Open only to students in the M.A. Development Studies Option.
Administrating Faculty: Graduate Studies
Teaching Department: Inst for the St of Development
Status (catalog level): Active
INTG 201
Credit Weight: 3
Transcript Title: Integrated Mgmt Essentials 1
Calendar Title: Integrated Management Essentials 1.
Description:
Essentials of management using an integrated approach. Three modules (managing money, managing people and managing information) cover fundamentals of accounting, finance, organizational behaviour and information systems; and illustrate how the effective management of human, financial and technological resources contributes to the success of an organization. Emphasizes an integrated approach to management, highlighting how organizations function as a whole and the importance of being able to work across functional and organizational boundaries.
Notes:
Only open to U1, U2, U3 non-Management students. Not open to students in the Desautels Faculty of Management or students who have taken two or more of courses MGCR 211, MGCR 222 or MGCR 341.
Limited enrolment; priority registration to students in Minors in Entrepreneurship. Note: this course is not part of the Desautels Minors in Management, Finance, Marketing or Operations Management (for non-Management students).
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

INTG 202
Credit Weight: 3
Transcript Title: Integrated Mgmt Essentials 2
Calendar Title: Integrated Management Essentials 2.
Description:
Essentials of management using an integrated approach. Four modules (managing customer relationships, managing processes, managing digital innovation and managing the enterprise) cover fundamentals of marketing, strategy, operations and information systems; and illustrate how this knowledge is harnessed in an organization to create value for customers and other stakeholders. Emphasizes an integrated approach to management, highlighting how organizations function as a whole and the importance of being able to work across functional and organizational boundaries.
Notes:
Restriction(s): Only open to U1, U2, U3 students. Not open to students in the Desautels Faculty of Management or students who have taken two or more of courses MGCR 331, MGCR 352, MGCR 423 or MGCR 472.
Limited enrolment; priority registration to students in Minors in Entrepreneurship. It is suggested that students take INTG 201 prior to INTG 202, but is not required. Note: this course is not part of the Desautels Minors in Management, Finance, Marketing or Operations Management (for non-Management Students).
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
IPEA 500
Credit Weight: 0
Transcript Title: Roles in Interprof. Teams
Calendar Title: Roles in Interprofessional Teams.
Description:
A half day workshop, including preparatory work, that introduces interprofessional education, interprofessional practice, and the roles of the different healthcare professionals that make up an interprofessional team.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

IPEA 501
Credit Weight: 0
Transcript Title: Commun. in Interprof. Teams
Calendar Title: Communication in Interprofessional Teams.
Description:
A half day workshop, including preparatory work, introducing effective communication and interactions in interprofessional teams.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

IPEA 502
Credit Weight: 0
Transcript Title: Patient-Centred Care in Action
Calendar Title: Patient-Centred Care in Action.
Description:
A half day activity, including preparatory work, introducing students to a simulated patient/family centred care scenario in which they will be working in interprofessional teams to develop a plan of care.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

IPEA 503
Credit Weight: 0
Transcript Title: Managing Interprofess Conflict
Calendar Title: Managing Interprofessional Conflict.
Description:
Reflection on sources of conflict and strategies to manage conflict. Using conflict productively for team building and innovative approaches for resolving conflict within the interprofessional health care team.
Notes:
Prerequisites: IPEA 500, IPEA 501, IPEA 502, or with permission from instructor.
Internet connection required
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active
ISLA 199
Credit Weight: 3
Transcript Title: FYS: Narr of the Middle East
Calendar Title: FYS: Narrations of the Middle East.
Description:
An introduction to competing narratives about crucial moments in the history and culture of the Middle East. Reading and discussion of texts drawn from a variety of perspectives and genres, including historical accounts, poetry, fiction, memoir and others.
Notes:
Fall
Restriction(s): Only open to newly-admitted students in U0 or U1, who may take only one FYS.
Note: Enrollment limit 25. Students who register for more than one FYS will be obliged to withdraw from all but one of them.
Note: Language of instruction is English.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 200
Credit Weight: 3
Transcript Title: Islamic Civilization
Calendar Title: Islamic Civilization.
Description:
An introduction to, and survey of, the religious, literary, artistic, legal, philosophical and scientific traditions that constituted Islamic civilization from the 7th Century until the mid-19th Century.
Notes:
Fall
Note: All readings are in English.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 210
Credit Weight: 3
Transcript Title: Muslim Societies
Calendar Title: Muslim Societies.
Description:
An introduction to the different, often disparate, ways in which Muslims live and think in the modern world (19th-21st centuries). Muslim social contexts across the globe and cyberspace.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 221D1
Credit Weight: 4.5
Transcript Title: Introductory Arabic
Calendar Title: Introductory Arabic.
Description:
Introduction to Modern Standard Arabic, including pronunciation and reading and writing of the Arabic script; and speaking and comprehension of basic sentences, commands, statements in the present tense.
Notes:
Prerequisites: Permission of the Institute required.
Restriction: Not open to students who have taken ISLA521D1/D2.
No credit will be given for this course unless both ISLA 221D1 and ISLA 221D2 are successfully completed in consecutive terms.
Students must register for both ISLA221D1 and ISLA 221D2.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 221D2
Credit Weight: 4.5
Transcript Title: Introductory Arabic
Calendar Title: Introductory Arabic.
Description:
See ISLA 221D1 for course description.
Notes:
Prerequisite: ISLA 221D1
No credit will be given for this course unless both ISLA 221D1 and ISLA 221D2 are successfully completed in consecutive terms.
Students must register for both ISLA221D1 and ISLA 221D2.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 232D1
Credit Weight: 3
Transcript Title: Introductory Turkish
Calendar Title: Introductory Turkish.
Description:
Introduction to speaking and comprehension of basic sentences, commands, statements in the present and future tenses. Introduction to simple daily conversations.
Notes:
Restriction: Not open to students who have taken ISLA532D1/D2.
Students must register for both ISLA232D1 and ISLA 232D2.
No credit will be given for this course unless both ISLA 232D1 and ISLA 232D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 232D2
Credit Weight: 3
Transcript Title: Introductory Turkish
Calendar Title: Introductory Turkish.
Description:
See ISLA 232D1 for course description.
Notes:
Prerequisite: ISLA 232D1
No credit will be given for this course unless both ISLA 232D1 and ISLA 232D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active
ISLA 241D1
Credit Weight: 3
Transcript Title: Introductory Persian
Calendar Title: Introductory Persian.
Description:
Introduction to the Persian language, beginning with pronouncing, reading and
writing the Persian script, and moving to vocabulary and grammatical structures
needed to communicate in simple dialogues, read simple texts, and write simple
paragraphs.
Notes:
Prerequisite: Placement test or permission of the instructor
Restrictions: Not open to students who have taken ISLA 541 D1/D2.
Students must register for both ISLA 241D1 and ISLA 241D2.
No credit will be given for this course unless both ISLA 241D1 and ISLA 241D2 are
successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 241D2
Credit Weight: 3
Transcript Title: Introductory Persian
Calendar Title: Introductory Persian.
Description:
See ISLA 241D1 for course description.
Notes:
Prerequisite: ISLA 241D1
No credit will be given for this course unless both ISLA 241D1 and ISLA 241D2 are
successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 251D1
Credit Weight: 3
Transcript Title: Introductory Urdu-Hindi
Calendar Title: Introductory Urdu-Hindi.
Description:
Introduction to Urdu-Hindi language including pronunciation and reading and
writing of either Urdu or Hindi script, speaking and comprehension of basic
sentences, commands, statements in the present tense.
Notes:
Restrictions: Not open to students who have taken ISLA551D1/D2.
Students must register for both ISLA251D1 and ISLA 251D2.
No credit will be given for this course unless both ISLA 251D1 and ISLA 251D2 are
successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 251D2
Credit Weight: 3
Transcript Title: Introductory Urdu-Hindi
Calendar Title: Introductory Urdu-Hindi.
Description:
See ISLA 251D1 for course description.

Notes:
Prerequisite: ISLA 251D1
No credit will be given for this course unless both ISLA 251D1 and ISLA 251D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 300
Credit Weight: 3
Transcript Title: Special Topics 7
Calendar Title: Special Topics 7.
Description:
Subject matter will vary year to year, according to the instructor. Topic will be made available in Minerva.

Notes:
Prerequisite(s): Permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 305
Credit Weight: 3
Transcript Title: Topics in Islamic History
Calendar Title: Topics in Islamic History.
Description:
Subject matter will vary year to year, according to the instructor. Topic will be made available in Minerva.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 310
Credit Weight: 3
Transcript Title: Women in Islam
Calendar Title: Women in Islam.
Description:
The socio-legal status, conditions, and experiences of various groups of women in Middle Eastern societies. These features are explored within the framework of Islamic feminism and Western feminist discourses, and the tensions and conflicts between them. The dynamics of seclusion, veiling, and polygamy are explored in connection to Medieval Arab ruling elites as a background to some of the discussions and debates over the status of women in modern postcolonial Arab society. Socio-economic divisions, state policies, patriarchy, and colonialism are investigated as key factors in understanding the modern historical transformation of gendered relations and women's roles.

Notes:
Prerequisites: Either ISLA 200 or ISLA 210.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 315
Credit Weight: 3
Transcript Title: Ottoman State & Society to 1839
Calendar Title: Ottoman State and Society to 1839.
Description: The emergence and development of the Ottoman Empire from its beginnings around 1300 until the Tanzimat Edict of Reform in 1839. A trajectory of Ottoman history from a small principality to a centralized empire, then to a decentralized governmental structure. In addition to chronological developments, questions of imperial ideology and the management of ethnically and religiously diverse communities across a vast territory. Exploration of the place of the Ottomans in the early modern world, and their ideological and diplomatic rivalry with other major empires.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 322
Credit Weight: 6
Transcript Title: Lower Intermediate Arabic
Calendar Title: Lower Intermediate Arabic.
Description: Speech, comprehension, reading and writing of more complex grammatical structures, including the conditional sentence, case endings, and verbs and verbal constructions.
Notes: Prerequisite: ISLA 221D1/D2 or ISLA 521D1/D2 or placement test or permission of the Institute.
Restrictions: Not open to students who have taken ISLA 522 or ISLA 522D1/D2. Students are expected to have knowledge of basic Arabic grammar and vocabulary.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 322D1
Credit Weight: 3
Transcript Title: Lower Intermediate Arabic
Calendar Title: Lower Intermediate Arabic.
Description: Speech, comprehension, reading and writing of more complex grammatical structures, including the conditional sentence, case endings, and verbs and verbal constructions.
Notes: Prerequisite: ISLA 221D1/D2 or ISLA 521D1/D2 or placement test or permission of the Institute.
Restrictions: Not open to students who have taken ISLA 522 or ISLA 522D1/D2. Students must register for both ISLA322D1 and ISLA 322D2. No credit will be given for this course unless both ISLA 322D1 and ISLA 322D2 are successfully completed in consecutive terms.
ISLA 322D1 and ISLA 322D2 together are equivalent to ISLA 322. Students are expected to have knowledge of basic Arabic grammar and vocabulary.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 322D2
Credit Weight: 3
Transcript Title: Lower Intermediate Arabic
Calendar Title: Lower Intermediate Arabic.
Description:
See ISLA 322D1 for course description.

Notes:
Prerequisite: ISLA 322D1, ISLA 221D1/D2 or ISLA 521D1/D2 or placement test or permission of the Institute.
Students must register for both ISLA322D1 and ISLA 322D2.
No credit will be given for this course unless both ISLA 322D1 and ISLA 322D2 are successfully completed in consecutive terms.
ISLA 322D1 and ISLA 322D2 together are equivalent to ISLA 322.
Restrictions: Not open to students who have taken ISLA 522 or ISLA 522D1/D2.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 325
Credit Weight: 3
Transcript Title: Introduction to Shi'i Islam
Calendar Title: Introduction to Shi'i Islam.
Description:
Developments in doctrines, legal school, rituals and political thought of Twelver Shi'ite Muslims during early and late medieval periods (centuries VII-XIII). The emergence of the earliest Shi'ite communities in Arabia, Yemen, Iraq and Iran stressing the relationship of the Shi'ite Imams and their religious scholars to the Sunnite Caliphates.

Notes:
Winter

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 330
Credit Weight: 3
Transcript Title: Islamic Mysticism: Sufism
Calendar Title: Islamic Mysticism: Sufism.
Description:
The varieties of "mystical" thought in Islam, primarily as seen in Sufism, its historical development and its place in Islamic culture. Analytical study of major authors, their writings and their central problems.

Notes:
Prerequisite(s): ISLA 200 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 333D1
Credit Weight: 3
Transcript Title: Lower Intermediate Turkish
Calendar Title: Lower Intermediate Turkish.
Description:
Listening comprehension, reading, and writing of more complex grammatical structures, including the subjunctive, future, and past tenses.

Notes:
Prerequisite: ISLA 232D1/D2 or ISLA 532D1/D2 or permission of the Institute.
Restrictions: Not open to students who have taken ISLA 533D1/D2.
Students must register for both ISLA333D1 and ISLA 333D2.
No credit will be given for this course unless both ISLA 333D1 and ISLA 333D2 are
successfully completed inconsecutive terms.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active  

**ISLA 333D2**  
**Credit Weight:** 3  
**Transcript Title:** Lower Intermediate Turkish  
**Calendar Title:** Lower Intermediate Turkish.  
**Description:**  
See ISLA 333D1 for course description.  
**Notes:**  
Prerequisite: ISLA 333D1, ISLA 232D1/D2 or ISLA 532D1/D2 or permission of the Institute.  
No credit will be given for this course unless both ISLA 333D1 and ISLA 333D2 are successfully completed inconsecutive terms.  
Restrictions: Not open to students who have taken ISLA 533D1/D2.  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active  

**ISLA 340**  
**Credit Weight:** 3  
**Transcript Title:** Islamic Law and Human Rights  
**Calendar Title:** Islamic Law and Human Rights.  
**Description:**  
The impact of modernity on Islamic legal discourse and practice, with particular focus on hermeneutical approaches devised to create an overlapping consensus with liberal democracy. The counter discourse — popularly known as Salafism — to which Islamic modernism gave rise will also be examined.  
**Notes:**  
Prerequisite: ISLA 200 or permission of instructor.  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active  

**ISLA 342D1**  
**Credit Weight:** 3  
**Transcript Title:** Lower Intermediate Persian  
**Calendar Title:** Lower Intermediate Persian.  
**Description:**  
Speech, comprehension, and reading and writing of more complex grammatical structures, embedded within a variety of short authentic Persian texts.  
**Notes:**  
Prerequisite: ISLA 241D1/D2 or ISLA 541 D1/D2, placement test, or permission of the instructor.  
Restrictions: Not open to students who have taken ISLA 542D1/D2.  
Students must register for both ISLA 342D1 and ISLA 342D2.  
No credit will be given for this course unless both ISLA 342D1 and ISLA 342D2 are successfully completed in consecutive terms.  
Students are expected to have knowledge of basic Persian grammar and vocabulary.  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active  

**ISLA 342D2**  
**Credit Weight:** 3
Transcript Title: Lower Intermediate Persian
Calendar Title: Lower Intermediate Persian.
Description:
See ISLA 342D1 for course description.
Notes:
Prerequisite: ISLA 342D1 and ISLA 241D1/D2 or ISLA 541D1/D2 or placement test or permission of the instructor.
No credit will be given for this course unless both ISLA 342D1 and ISLA 342D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 345
Credit Weight: 3
Transcript Title: Science & Civilization in Islam
Calendar Title: Science and Civilization in Islam.
Description:
History of scientific traditions and ideas in Islamic civilization, from the origins of Islam to the early modern period. Emphasis is on the derivation, development and transmissions of Islamic science, as well as on the assimilation and influence of science within Islamic culture.
Notes:
Winter
Prerequisite: ISLA 200 or permission of the instructor.
Note: All readings are in English.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 350
Credit Weight: 3
Transcript Title: From Tribe to Dynasty
Calendar Title: From Tribe to Dynasty.
Description:
The political and intellectual developments shaping Arab and Persian societies from the rise of Islam in the 7th century until the early mid 8th century, including the major social changes, political revolts, religious schisms, and the consolidation of lasting cultural institutions.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 352D1
Credit Weight: 3
Transcript Title: Intermediate Urdu-Hindi
Calendar Title: Intermediate Urdu-Hindi.
Description:
Speech, comprehension, and reading and writing of more complex grammatical structures, including the subjunctive, future, and past tenses.
Notes:
Prerequisite: ISLA 251D1/D2 or ISLA 551D1/D2 or placement test or permission of the instructor.
Restriction: Not open to students who have taken ISLA 552D1/D2.
Students must register for both ISLA352D1 and ISLA 352D2. No credit will be given for this course unless both ISLA 352D1 and ISLA 352D2 are successfully completed in consecutive terms. Students are expected to have knowledge of basic Urdu-Hindi grammar and vocabulary.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active

### ISLA 352D2
**Credit Weight:** 3  
**Transcript Title:** Intermediate Urdu-Hindi  
**Calendar Title:** Intermediate Urdu-Hindi.  
**Description:**  
See ISLA 352D1 for course description.  
**Notes:**  
Prerequisite: ISLA 352D1  
No credit will be given for this course unless both ISLA 352D1 and ISLA 352D2 are successfully completed in consecutive terms. Students are expected to have knowledge of basic Urdu-Hindi grammar and vocabulary.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active

### ISLA 355
**Credit Weight:** 3  
**Transcript Title:** Modern History: Middle East  
**Calendar Title:** Modern History of the Middle East.  
**Description:**  
Assessment of the historical transformation of the modern Middle East concentrating on its internal socio-economic changes, as well as the colonial experience and encounters with the West since the early 19th century. Examination of the historical conditions that led to the rise of nationalism, the nation-state, the Arab-Israeli conflict.  
**Notes:**  
Prerequisite: ISLA 210 or permission of instructor.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active

### ISLA 360
**Credit Weight:** 3  
**Transcript Title:** Islam and Politics  
**Calendar Title:** Islam and Politics.  
**Description:**  
Assessment of the relationship between Islam and politics in the contemporary Middle East and Africa through various analytic themes, including political economy, social movement and gendered analysis.  
**Notes:**  
Fall  
Prerequisite: ISLA 210 or permission of instructor.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active
ISLA 365
Credit Weight: 3
Transcript Title: Middle East Since the 1970's
Calendar Title: Middle East Since the 1970's.
Description:
Changes that have occurred in the Middle East since the 1970's, viewed through the lens of themes such as migration, consumerism, war, communications, and ideology.
Notes:
Prerequisite: ISLA 210 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 370
Credit Weight: 3
Transcript Title: The Qur’an: Hist & Interpret
Calendar Title: The Qur’an: History and Interpretation.
Description:
It examines the history of the codification of the text, its form, and modes of interpretation in both the modern and pre-modern periods. Presentation of different schools of Qur’anic exegesis, including traditional hermeneutical approaches, and modern approaches such as feminist interpretations of the Qur’an.
Notes:
Prerequisite(s): ISLA 200 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 380
Credit Weight: 3
Transcript Title: Islamic Philosophy & Theology
Calendar Title: Islamic Philosophy and Theology.
Description:
A survey of the most important philosophers and theologians in Islamic intellectual history, with a focus on the theories they articulated and the movements they engendered. The impact of European thought on 19th and 20th century Islamic intellectual history is also examined.
Notes:
Prerequisite: ISLA 200 or permission of instructor.
Note: Reading and discussion in English.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 383
Credit Weight: 3
Transcript Title: Central Questions-Islamic Law
Calendar Title: Central Questions in Islamic Law.
Description:
An integrative view of Islamic law in the past and present, including landmarks in Islamic legal history (e.g., sources of law; early formation; intellectual make-up; the workings of court; legal change; legal effects of colonialism; modernity and legal reform) and a structured definition of what it was/is.
Notes:
Winter
Prerequisite: ISLA 200 or permission of instructor.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

**ISLA 385**

**Credit Weight:** 3

**Transcript Title:** Poetics & Politics in Arab Lit

**Calendar Title:** Poetics and Politics in Arabic Literature.

**Description:**
Major issues in classical and modern Arabic literature; how poetics and politics interact in classical and modern, popular folktales and high literature, novels and poetry. The politics of translation from Arabic into English.

**Notes:**
Prerequisite: ISLA 210 or permission of instructor.
Note: Reading and discussion in English.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

**ISLA 388**

**Credit Weight:** 3

**Transcript Title:** Persian Literature

**Calendar Title:** Persian Literature.

**Description:**
Examination of literature produced in the Persian-speaking world from the mid 10th to the late 20th century C.E. A broad selection of texts (prose and poetry) will be studied in translation.

**Notes:**
Fall
Prerequisite: ISLA 200 or permission of instructor.
Note: Readings in English.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

**ISLA 392**

**Credit Weight:** 3

**Transcript Title:** Arabic Lit as World Lit

**Calendar Title:** Arabic Literature as World Literature.

**Description:**
Consideration of Arabic literature as part of world literature, including exploration of tensions between reading Arabic literature as local, discrete and self-contained and as part of larger global phenomena.

**Notes:**
Winter
Prerequisite: ISLA 210 or permission of instructor.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

**ISLA 410**

**Credit Weight:** 3

**Transcript Title:** History:Middle-East 1798-1918

**Calendar Title:** History: Middle-East 1798-1918.

**Description:**
A study of the Middle East from Napoleon's invasion of Egypt to the end of WWI. Emphasis will be on the emergence of nationalisms in the context of European imperialism; political, social, and economic transformation; religion and ideology; and changing patterns of alliances.

Notes:
3 hours

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 411
Credit Weight: 3
Transcript Title: History: Middle-East 1918-1945
Calendar Title: History: Middle-East 1918-1945.
Description: The impact of WWI on Middle Eastern society and politics; the British and French mandates; the growth of nationalisms, revolutions and the formation of national states; WW II and the clash of political interests within the region.
Notes:
3 hours

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 415
Credit Weight: 3
Transcript Title: Modern Iran: Anthro Approach
Calendar Title: Modern Iran: Anthropological Approach.
Description: The modern history, social, and cultural anthropology of contemporary Iran.
Notes:
Prerequisite: ISLA 210 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 420
Credit Weight: 3
Transcript Title: Indo-Islamic Civ: Medieval
Calendar Title: Indo-Islamic Civilization: Medieval.
Description: The rise of Islam in South Asia in the 8th Century and its subsequent expansion; evolution of Indo-Islamic civilization and its apogee during Mughal rule up to 1707. Themes include state and religion; ruling institutions; political theory, Sufism and the process of conversion, as well as the formation of a composite culture.
Notes:
Winter
Prerequisite: ISLA 200 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 421
Credit Weight: 3
Transcript Title: Islamic Culture-Indian Subcont
Calendar Title: Islamic Culture - Indian Subcontinent.
Description:
Survey of Islamic culture (faith systems, literature, music, art) on the Indian subcontinent from the early modern period to the present, with a focus on conflict and relations between Muslims and non-Muslims, and between majority and minority Muslim groups.
Notes:
Prerequisite(s): ISLA 200 or ISLA 210 or permission of the instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 423D1
Credit Weight: 3
Transcript Title: Higher Intermediate Arabic
Calendar Title: Higher Intermediate Arabic.
Description:
Introduction to advanced grammatical constructions and vocabulary through readings of longer texts in Arabic, as well as conversation, and exposure to video/audio cultural materials. Continued exposition of Arabic grammar, including active and passive participles, conjunction of irregular verbs, and active and passive voices.
Notes:
Prerequisite: ISLA 322D1/D2 or ISLA 322 or ISLA 522D1/D2 or ISLA 522 or placement test or permission of the instructor.
Restriction: Not open to students who have taken ISLA 523D1/D2.
Fall and Winter
Students must register for both ISLA 423D1 and ISLA 423D2.
No credit will be given for this course unless both ISLA 423D1 and ISLA 423D2 are successfully completed in consecutive terms.
Students are expected to have knowledge of intermediate-level Arabic grammar and vocabulary.
Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 423D2
Credit Weight: 3
Transcript Title: Higher Intermediate Arabic
Calendar Title: Higher Intermediate Arabic.
Description:
See ISLA 423D1 for course description.
Notes:
Prerequisite: ISLA 423D1
Fall and Winter
No credit will be given for this course unless both ISLA 423D1 and ISLA 423D2 are successfully completed in consecutive terms.
Students are expected to have knowledge of intermediate-level Arabic grammar and vocabulary.
Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 430
Credit Weight: 3
Transcript Title: Islamdom: Baghdad to Cordoba
Calendar Title: Islamdom: Baghdad to Cordoba.
Description:
The course examines the major socio-political developments in Iraq, Persia, Syria, Egypt, North Africa and Spain from the 9th to the 13th Century. Emphasis is laid on the Umayyad Caliphate centered in Cordoba, and the 'Abbasid Caliphate centered in Baghdad, and the rise of important local dynasties leading up to the Mongol invasion. The course underscores the formation of Islamic cultures in distinct geographical settings and the transformation of religious life under new socio-economic conditions. It also explores shifting notions of civil society and orthodoxy.
Notes:
Prerequisite(s): Either ISLA 200 or ISLA 350 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 434D1
Credit Weight: 3
Transcript Title: Higher Intermediate Turkish
Calendar Title: Higher Intermediate Turkish.
Description:
Contemporary cultural texts in Turkish, including literature and media. Reading materials supported by audio visual media featuring modern spoken Turkish.
Notes:
Prerequisite: ISLA 333D1/D2 or ISLA 533D1/D2 or permission of the instructor.
Restrictions: Not open to students who have taken ISLA 534D1/D2.
Students must register for both ISLA 434D1 and ISLA 434D2.
No credit will be given for this course unless both ISLA 434D1 and ISLA 434D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 434D2
Credit Weight: 3
Transcript Title: Higher Intermediate Turkish
Calendar Title: Higher Intermediate Turkish.
Description:
See ISLA 434D1 for course description.
Notes:
Prerequisite: ISLA 434D1
No credit will be given for this course unless both ISLA 434D1 and ISLA 434D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 443D1
Credit Weight: 3
Transcript Title: Upper Intermediate Persian
Calendar Title: Upper Intermediate Persian.
Description:
Introduction to authentic texts about Persian culture, history, geography, politics, arts, and other topics relevant to Iran, as well as canonical poems of various modern and classical poets, and selected Persian proverbs and their meanings and connotations.
Notes:
Fall
Prerequisite: ISLA 342D1/D2 or ISLA 542D1/D2 or placement test or permission of the instructor.
Restriction: Not open to students who have taken ISLA 543 and ISLA 544.
Note: Language of instruction is Persian.
Students must register for both ISLA 443D1 and ISLA 443D2
No credit will be given for this course unless both ISLA 443D1 and ISLA 443D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 443D2
Credit Weight: 3
Transcript Title: Upper Intermediate Persian
Calendar Title: Upper Intermediate Persian.
Description:
See ISLA 443D1 for course description.
Notes:
Prerequisite: ISLA 443D1
No credit will be given for this course unless both ISLA 443D1 and ISLA 443D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 488
Credit Weight: 3
Transcript Title: Tales of Wonder-Islamic World
Calendar Title: Tales of Wonder-Islamic World.
Description:
Reading of literary masterpieces of Islamic world focused on three collections of marvelous tales in Arabic, Persian and Urdu: The Arabian Nights, the Shahnameh, and the Adventures of Amir Hamza. May include film screenings, visual art, viewing of rare materials.
Notes:
Prerequisite(s): ISLA 200, ISLA 210, or permission of instructor.
Taught in translation.

Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 489
Credit Weight: 3
Transcript Title: Special Topics 6
Calendar Title: Special Topics 6.
Description:
Selected topics in Islamic and Middle East studies. Subject matter will vary year to year, according to the instructor. Topic will be made available in Minerva.
Notes:
Fall and/or Winter
Prerequisite(s): Permission of instructor.

Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active
ISLA 495
Credit Weight: 3
Transcript Title: WI&MES Research Seminar
Calendar Title: World Islamic and Middle East Studies Research Seminar.
Description: Research seminar on topics in world Islamic and Middle East studies.
Notes: Restricted to final year WI&MES Joint Honours and Honours students and to others by permission of the Program Coordinator. Not open to students who have taken MEST 495.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 496
Credit Weight: 3
Transcript Title: Independent Reading & Research
Calendar Title: Independent Reading and Research.
Description: Supervised independent reading and research on an approved topic.
Notes: Restricted to WI&MES Honours students and to others by permission of the Program Coordinator. Not open to students who have taken MEST 496.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 499
Credit Weight: 3
Transcript Title: WI&MES Internship
Calendar Title: World Islamic and Middle East Studies Internship.
Description: Internship with an approved host institution or organization.
Notes: Restricted to U2 and U3 students with a minimum CGPA of 2.7, and permission of the departmental Internship Adviser. This course will not normally fulfill program requirements for seminar or 400-level courses. A letter from a supervisor at the institution must attest to successful completion of the student's tenure (minimum 150 hours). Students attain credit by writing a research paper based on and inspired by their internship experience. This research paper is written after the Internship is completed.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 501
Credit Weight: 3
Transcript Title: The Qur'an: Text and History
Calendar Title: The Qur'an: Text and History.
Description: A study of the Qur'an's teachings, structures, style, and history in the light of classical and modern scholarship.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 502
Credit Weight: 3
Transcript Title: Art in the Age of Empires
Calendar Title: Art in the Age of Empires.
Description:
This course offers a wide-ranging survey of visual culture under the three Muslim superpowers of the early modern period: the Mediterranean-based Ottomans, the Safavids of Iran, and the Mughals of India. The course will examine the nature of these states and their distinctive and vibrant artistic idiom on a comparative basis. Topics include the formation of imperial ideology and its visual articulation; palaces and court culture; artistic organization, authorship, and agency; patronage, gender, piety, as well as cross-cultural interaction.
Notes:
Prerequisite(s): ISLA 320 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 505
Credit Weight: 3
Transcript Title: Islam: Origin & Early Development
Calendar Title: Islam: Origin and Early Development.
Description:
The Qur'an, Hadith, the Shari'a and their major themes. The early development of law, theology and Sufism. The development and formation of an Islamic "orthodoxy", the development and nature of competing interpretations of Islam during the Classical Period. Topics: God, revelation, prophecy, the community and the individual and the meaning of history.
Notes:
3 hours
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 506
Credit Weight: 3
Transcript Title: Revolutions in the Arab World
Calendar Title: Revolutions in the Arab World.
Description:
How the basic elements of Islam have been understood in the course of later Islamic history up to the present day. The nature and development of Shi'ism, Sufi brotherhoods, major intellectual trends, Islam in a world of nation states, diaspora. The challenges of modernity and the contemporary world.
Notes:
3 hours
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 511
Credit Weight: 3
Transcript Title: Medieval Islam, 10th-12th Cent
Calendar Title: Medieval Islam, 10th-12th Century.
Description:
Socio-political, religious and intellectual developments in Muslim societies following the weakening of the Arab–Sunni Abbasid Caliphate in Baghdad during the tenth century. Emphasis will be placed on the historical formation and features of the Seljuq and Buyid dynasties as well as the Fatimid Caliphate in Egypt.

Notes:
Prerequisites: Isla 200
Restrictions: Not open to students who have take ISLA 511D1/D2

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 512
Credit Weight: 3
Transcript Title: Art of the Ottoman Empire
Calendar Title: Art of the Ottoman Empire.
Description:
This course examines artistic production of the large and long-lived empire of the Ottomans. Focusing on key monuments of art and architecture, discussion will revolve around issues relating to imperial identity, patronage, court-culture, and cross-cultural exchange.

Notes:
Prerequisite(s): ISLA 320 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 515
Credit Weight: 3
Transcript Title: The Medieval School in Islam
Calendar Title: The Medieval School in Islam.
Description:
Schooling in medieval Islamic society particularly in Iraq, Greater Syria, Persia, and Egypt. Sheds light on the structure of learning, aims of education, the life of students including women, and their relationship to their teachers. Illuminates forms of academic evaluation, and looks closely at the "scholarly license" as an accrediting tool delineating its function and scope. Through a set of representative studies on the medieval school, it brings attention to the heated debates surrounding the academic rigor of this form of learning, and the place of scientific learning in it, as well as the historical connection between it and the early European college.

Notes:
Prerequisite(s): Either ISLA 200 or ISLA 350 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 516
Credit Weight: 3
Transcript Title: Medieval Islam, 13th-15th Cent
Calendar Title: Medieval Islam, 13th-15th Century.
Description:
The historical circumstances surrounding the Crusades against Muslims in Greater Syria and Egypt. The socio-economic, political, and cultural transformation of Muslim society following the destruction of the Abbasid Caliphate, and the rise of the Ikl-Khanid Mongols in Iran and Iraq, as well as the Mamluks in Syria and Egypt. Emphasis will be placed on the integration of new Persian, Turkish, and
Indian populations into Islamic imperial culture.

Notes:
Prerequisites; ISLA 200
Restrictions: Not open to students who have taken ISLA 511D1/D2.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 524
Credit Weight: 3
Transcript Title: Advanced Arabic 1
Calendar Title: Advanced Arabic 1.
Description:
Advanced level of the Arabic language study.
Notes:
Prerequisite: ISLA 423D1/D2 or ISLA 523D1/D2 or ISLA 623D1/D2 or placement test or permission of the instructor.
Note: Language of instruction is Arabic.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 525
Credit Weight: 3
Transcript Title: Advanced Arabic 2
Calendar Title: Advanced Arabic 2.
Description:
Advanced level of the Arabic language study.
Notes:
Prerequisite: ISLA 524 or placement test or permission of the instructor.
Note: Language of instruction is Arabic.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 526
Credit Weight: 3
Transcript Title: Colloquial Arabic
Calendar Title: Colloquial Arabic.
Description:
Dialectical vocabulary and grammar structures.
Notes:
Prerequisite(s): ISLA322D1/D2 or equivalent, placement test, or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 531
Credit Weight: 3
Transcript Title: Survey Dev of Islamic Thought
Calendar Title: Survey Development of Islamic Thought.
Description:
A survey of the development of the major intellectual traditions of Islamic civilization in medieval and modern times.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

**ISLA 535D1**
Credit Weight: 3
Transcript Title: Advanced Turkish
Calendar Title: Advanced Turkish.
Description: Language acquisition - advanced Turkish.
Notes: Restriction: Not open to students who have taken ISLA 634D1/D2
Students must register for both ISLA 535D1 and ISLA 535D2
No credit will be given for this course unless both ISLA 535D1 and ISLA 535D2 are successfully completed in consecutive terms
Prerequisites: ISLA 434D1/D1 or ISLA 534D1/D2 or ISLA 634D1/D2 or placement test or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

**ISLA 535D2**
Credit Weight: 3
Transcript Title: Advanced Turkish
Calendar Title: Advanced Turkish.
Description: See ISLA 535D1 for course description.
Notes: Prerequisite: ISLA 535D1
No credit will be given for this course unless both ISLA 535D1 and ISLA 535D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

**ISLA 536**
Credit Weight: 9
Transcript Title: Summer Introductory Arabic 1
Calendar Title: Summer Introductory Arabic 1.
Description: Introduction to the script and sounds of modern standard Arabic and its basic vocabulary and structure, placing emphasis on the functional use of the language.
Notes: Students who participate at this level have no previous knowledge of the language or have a basic cultural or home connection to Arabic.
Prerequisite: Department placement test, instructor approval.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

**ISLA 537**
Credit Weight: 9
Transcript Title: Summer Introductory Arabic 2
Calendar Title: Summer Introductory Arabic 2.
Description: Introduction to fundamental grammatical structures.
Notes:
Prerequisite: Department placement test, instructor approval.
Students at this level have studied Arabic for the equivalent of a semester (3 months) in a formal setting and have knowledge of the Arabic alphabet. They have a limited vocabulary and can read short sentences and have covered some basic grammatical structures such as the demonstrative nouns and the nominal sentence. They can produce some formulaic, memorized simple phrases and sentences that describe themselves, where they live, and people they know.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 538
Credit Weight: 9
Transcript Title: Summer Intermediate Arabic 1
Calendar Title: Summer Intermediate Arabic 1.
Description:
Emphasis on listening comprehension, speaking practice, extensive reading, and intensive general vocabulary, including essential grammar features (the conditional sentence, case endings, the semantic implication of a number of verb forms, and verb aspects).

Notes:
Prerequisite: Department placement test, instructor approval.
Students who participate at this level have studied Arabic for the equivalent of two semesters in a formal setting and have acquired knowledge of some essential grammatical structures that enable them to produce uncomplicated sentences about familiar topics. At this level, students focus their skills on the integration of a variety of authentic materials.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 539
Credit Weight: 9
Transcript Title: Summer Intermediate Arabic 2
Calendar Title: Summer Intermediate Arabic 2.
Description:
Focus on medium-length authentic readings on social, political, and literary topics as well as the similarities and differences between West and East in terms of customs, traditions, festivals, and marriage.

Notes:
Prerequisite: Department placement test, instructor approval.
Students who participate at this level have studied Arabic for the equivalent of three semesters in a formal setting and have acquired knowledge of fundamental grammatical structures that enable them to produce longer and compound sentences about familiar topics.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 540
Credit Weight: 9
Transcript Title: Summer Intermediate Arabic 3
Calendar Title: Summer Intermediate Arabic 3.
Description:
Focuses on writing skills for precise and coherent texts, expanding vocabulary and incorporating widely used phrases. Awareness of cultural issues, such as the
status of Arab women, ethnic, cultural, religious and linguistic plurality in the Arab world.

Notes:
Prerequisite: Department placement test, instructor approval.
Students in this level have studied Arabic for the equivalent of four semesters or have been exposed, for a short period of time, to Arabic and one of its dialects in a native speaking milieu. Students are encouraged to give ideas and express opinions through discussions and role playing activities.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 545
Credit Weight: 3
Transcript Title: Advanced Persian 1
Calendar Title: Advanced Persian 1.
Description: Advanced level of Persian language study.
Notes:
Winter
Prerequisite: ISLA 443D1/D2, or ISLA 543, or ISLA 544, or ISLA 643D1/D2, or placement test, or permission of instructor.
Note: Language of instruction is Persian.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 546
Credit Weight: 3
Transcript Title: Advanced Persian 2
Calendar Title: Advanced Persian 2.
Description: Advanced level of Persian language study.
Notes:
Prerequisite: ISLA 545 or placement test or permission of the instructor.
Note: Language of instruction is Persian.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 553
Credit Weight: 3
Transcript Title: Advanced Urdu-Hindi 1
Calendar Title: Advanced Urdu-Hindi 1.
Description: Builds upon Intermediate Urdu-Hindi to introduce students to advanced grammatical constructions through reading of longer texts in the Urdu or Hindi script, conversation, and video/audio cultural materials.
Notes:
Prerequisite: ISLA 552D1, ISLA 552D2 or equivalent.

Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 554
Credit Weight: 3
Transcript Title: Advanced Urdu-Hindi 2
Calendar Title: Advanced Urdu-Hindi  2.
Description:
Advanced study of grammatical constructions through reading long texts in the Urdu or Hindi script, conversation, and video/audio cultural materials.
Notes:
Prerequisite: ISLA 553 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 555
Credit Weight: 3
Transcript Title: Urdu Poetry
Calendar Title: Urdu Poetry.
Description:
Interpretation of Urdu poetry for students with intermediate to advanced-level knowledge of Urdu-Hindi language. Includes advanced grammar topics, cultural and historical background, and interpretation and analysis.
Notes:
Prerequisite(s): ISLA 352D1/D2 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 581
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description:
Selected topics in Islamic studies.
Notes:
Fall and/or Winter
Note: Subject matter will vary year to year, according to the instructor. Topic will be announced at the beginning of the term.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 582
Credit Weight: 3
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description:
Selected topics in Islamic Studies.
Notes:
Subject matter will vary from term to term, according to the instructor. Topic will be announced at the beginning of the term.
Administering Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 585
Credit Weight: 3
Transcript Title: Arab Women's Literature
Calendar Title: Arab Women's Literature.
Description:
Explorations of writings by Arab women. Issues include: translation/reception, gender and genre, categories of knowledge about Arab women, feminist and post-colonial theories/methodologies.

Notes:
Prerequisite: ISLA 392 or permission of instructor.
Note: Readings in English translation.

Administrating Faculty: Faculty of Arts
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 601
Credit Weight: 3
Transcript Title: Anthro & Iranian Studies
Calendar Title: Anthropology and Iranian Studies.
Description:
Advanced examination of research issues in the field of modern history and anthropology of Iran. Topics will include the social construction of knowledge, politics and society, cultural history and technology.

Notes:
Fall

Administrating Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 602
Credit Weight: 3
Transcript Title: Islamic Philosophy & Theology
Calendar Title: Islamic Philosophy and Theology.
Description:
Advanced examination of research issues in the field of Islamic philosophy and theology. Topics will include dialectic, metaphysics, the commentary traditions and 19th century Kalâm.

Administrating Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 603
Credit Weight: 3
Transcript Title: Intro:Res Materials-Islamic St
Calendar Title: Introductory: Research Materials - Islamic Studies.
Description:
Exploration of research materials in Islamic Studies, including intellectual output of Islamic civilization, compositions, Arabic nomenclature, Arabic script and transliteration systems, published and unpublished materials (theses, manuscripts, books printed by lithography, facsimile editions, monographic, serial, e-publishing), websites, databases; major reference books (bibliographies, encyclopedias, handbooks, online/published catalogues, language/biographical dictionaries).

Notes:
Fall
2 hours
Compulsory for M.A. students; recommended for Ph.D. students

Administrating Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active
ISLA 603D1
Credit Weight: 1.5
Transcript Title: Intro:Res Materials-Islamic St
Calendar Title: Introductory: Research Materials - Islamic Studies.
Description: Exploration of research materials in Islamic Studies, including intellectual output of Islamic civilization, compositions, Arabic nomenclature, Arabic script and transliteration systems, published and unpublished materials (theses, manuscripts, books printed by lithography, facsimile editions, monographic, serial, e-publishing), websites, databases; major reference books (bibliographies, encyclopedias, handbooks, online/published catalogues, language/biographical dictionaries).
Notes: Students must register for both ISLA 603D1 and ISLA 603D2
No credit will be given for this course unless both ISLA 603D1 and ISLA 603D2 are successfully completed in consecutive terms
ISLA 603D1 and ISLA 603D2 together are equivalent to ISLA 603
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Inactive

ISLA 603D2
Credit Weight: 1.5
Transcript Title: Intro:Res Materials-Islamic St
Calendar Title: Introductory: Research Materials - Islamic Studies.
Description: See ISLA 603D1 for course description.
Notes: Prerequisite: ISLA 603D1
No credit will be given for this course unless both ISLA 603D1 and ISLA 603D2 are successfully completed in consecutive terms
ISLA 603D1 and ISLA 603D2 together are equivalent to ISLA 603
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Inactive

ISLA 604
Credit Weight: 3
Transcript Title: Arabic Manuscript Tradition
Calendar Title: Arabic Manuscript Tradition.
Description: This course will examine the way manuscript books were bound, transcribed, decorated, collated, corrected and glossed. It will deal with various scribal practices employed in the critical apparatus, including abbreviations, and will provide practical assistance on how to locate and choose a manuscript for text editing.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 610
Credit Weight: 3
Transcript Title: Persian Literature
Calendar Title: Persian Literature.
Description:
Advanced examination of research issues in the field of Persian literature. Topics will include modern and medieval Persian poetry and prose; women in early Qajar Iran, c. 1795-1850.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 611
Credit Weight: 3
Transcript Title: Pre-Modern Islamic History
Calendar Title: Pre-Modern Islamic History.
Description:
Advanced examination of research issues in the field of pre-modern Islamic history. Topics will include Shi'ite doctrine and law (fiqh), the Safavid Empire, and Shi'ites in Iran, Iraq and Lebanon.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 612
Credit Weight: 3
Transcript Title: Autobio in the Muslim World
Calendar Title: Autobiography in the Muslim World.
Description:
The rhetoric of selfhood, including the linguistic forms of ideas of the self, with an emphasis on how language informs the ways in which the self was understood in the past in the wider cultures of rhetoric ¿ courtly speech situations, intimate circles of Sufi adepts, royal harems, trans-national print-communities, modern political parties ¿ in which apparently abstract ideas of selfhood circulated. Is the self unique or transpersonal? Is it gendered and, if so, how? What are the articulations of individual and public memory?
Notes:
Restriction: Not open to students who have taken ISLA 739 when topic was `Autobiography in the Muslim World¿.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 613
Credit Weight: 3
Transcript Title: Women in Middle East/Islam Soc
Calendar Title: Women in Middle Eastern/Islamic Society.
Description:
Advanced examination of research issues related to the experiences and histories of women in the Middle East and the Islamic world. Topics will include patriarchy, women and Islam, women and the state, nationalism and anti-colonialism struggles; labour, public space and theoretical issues.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Modern Mid East History
Calendar Title: Modern Middle Eastern History.
Description: Advanced examination of research issues in modern Middle East history. Topics will include the history of Arab nationalism; the history of European Imperialism in the Middle East; the Middle East and historiography.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 616
Credit Weight: 3
Transcript Title: Modern Arabic Literature
Calendar Title: Modern Arabic Literature.
Description: Advanced examination of research issues in the field of Arabic literature. Topics will include women's literature, gender and nationalism in literature, language use in literature and the diasporic literatures of the Middle East.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 621D1
Credit Weight: 4.5
Transcript Title: Arabic for Reading 1
Calendar Title: Arabic for Reading 1.
Description: Introduction to Modern Standard Arabic, including pronunciation and reading and writing of the Arabic script; and speaking and comprehension of basic sentences, commands, statements in the present tense.
Notes: Prerequisite: Permission of the instructor. This course is conducted primarily in Modern Standard Arabic. Students must register for both ISLA 621D1 and ISLA 621D2. No credit will be given for this course unless both ISLA 621D1 and ISLA 621D2 are successfully completed in consecutive terms.
Restrictions: Not open to students who have taken ISLA 221D1/D2 or ISLA 521D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 621D2
Credit Weight: 4.5
Transcript Title: Arabic for Reading 1
Calendar Title: Arabic for Reading 1.
Description: See ISLA 621D1 for course description.
Notes: Prerequisite: ISLA 621D1. No credit will be given for this course unless both ISLA 621D1 and ISLA 621D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

**ISLA 622**

**Credit Weight:** 6

**Transcript Title:** Arabic for Reading 2  
**Calendar Title:** Arabic for Reading 2.

**Description:**  
Arabic reading, writing, speaking, and listening skills through a variety of original materials in Arabic.

**Notes:**  
Prerequisite: ISLA 621D1/D2 or ISLA 521D1/D2 or ISLA 221D1/D2 or permission of the instructor.  
This course is conducted primarily in Modern Standard Arabic.  
Not open to students who have taken ISLA 522 or ISLA 522D1/D2 or ISLA 322 or ISLA 322D1/D2.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active

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**ISLA 622D1**

**Credit Weight:** 3

**Transcript Title:** Arabic for Reading 2  
**Calendar Title:** Arabic for Reading 2.

**Description:**  
Arabic reading, writing, speaking, and listening skills through a variety of original materials in Arabic.

**Notes:**  
Prerequisite: ISLA 621D1/D2 or ISLA 521D1/D2 or ISLA 221D1/D2 or permission of the instructor.  
This course is conducted primarily in Modern Standard Arabic.  
Students must register for both ISLA 622D1 and ISLA 622D2  
No credit will be given for this course unless both ISLA 622D1 and ISLA 622D2 are successfully completed in consecutive terms  
ISLA 622D1 and ISLA 622D2 together are equivalent to ISLA 622  
Not open to students who have taken ISLA 522 or ISLA 522D1/D2 or ISLA 322 or ISLA 322D1/D2.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active

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**ISLA 622D2**

**Credit Weight:** 3

**Transcript Title:** Arabic for Reading 2  
**Calendar Title:** Arabic for Reading 2.

**Description:**  
See ISLA 622D1 for course description.

**Notes:**  
Prerequisite: ISLA 622D1  
No credit will be given for this course unless both ISLA 622D1 and ISLA 622D2 are successfully completed in consecutive terms  
Not open to students who have taken ISLA 522 or ISLA 522D1/D2 or ISLA 322 or ISLA 322D1/D2.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active
ISLA 623
Credit Weight: 6
Transcript Title: Arabic for Reading 3
Calendar Title: Arabic for Reading 3.
Description:
Reading and engaging in original materials in Arabic including printed, audio and visualized sources about real-life situations.
Notes:
Prerequisite: ISLA 622 or ISLA 622D1/D2 or ISLA 522 or ISLA 522D1/D2 or ISLA 322 or ISLA 322D1/D2 or permission of the Institute.
Restrictions: Not open to students who have taken ISLA 523D1/D2 or ISLA 423D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 623D1
Credit Weight: 3
Transcript Title: Arabic for Reading 3
Calendar Title: Arabic for Reading 3.
Description:
Reading and engaging in original materials in Arabic including printed, audio and visualized sources about real-life situations.
Notes:
Prerequisite: ISLA 622 or ISLA 622D1/D2 or ISLA 522 or ISLA 522D1/D2 or ISLA 322 or ISLA 322D1/D2 or permission of the Institute.
Students must register for both ISLA 623D1 and ISLA 623D2
No credit will be given for this course unless both ISLA 623D1 and ISLA 623D2 are successfully completed in consecutive terms
ISLA 623D1 and ISLA 623D2 are equal to ISLA 623
Restrictions: Not open to students who have taken ISLA 523D1/D2 or ISLA 423D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 623D2
Credit Weight: 3
Transcript Title: Arabic for Reading 3
Calendar Title: Arabic for Reading 3.
Description:
See ISLA 623D1 for course description.
Notes:
Prerequisite: ISLA 623D1
No credit will be given for this course unless both ISLA 623D1 and ISLA 623D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 523D1/D2 or ISLA 423D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 632D1
Credit Weight: 3
Transcript Title: Turkish for Reading 1
Calendar Title: Turkish for Reading 1.
Description:
Introduction to the history of the Turkish language, including vocabulary and
grammatical structures required to communicate in simple dialogues, to read simple
texts, and to write simple paragraphs.

Notes:
Prerequisite: Permission of the Institute.
Students must register for both ISLA 632D1 and ISLA 632D2
No credit will be given for this course unless both ISLA 632D1 and ISLA 632D2 are
successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 232D1/D2 or ISLA 532D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 632D2
Credit Weight: 3
Transcript Title: Turkish for Reading 1
Calendar Title: Turkish for Reading 1.
Description: See ISLA 632D1 for course description.
Notes:
Prerequisite: ISLA 632D1
No credit will be given for this course unless both ISLA 632D1 and ISLA 632D2 are
successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 232D1/D2 or ISLA 532D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 633D1
Credit Weight: 3
Transcript Title: Turkish for Reading 2
Calendar Title: Turkish for Reading 2.
Description: Introduction to different Turkish texts, both prose and poetry. Instruction on the
morphological, semantic, and syntactic complexities of the Turkish language.
Notes:
Prerequisites: ISLA 632D1/D2 or permission of the Institute.
Students must register for both ISLA 633D1 and ISLA 633D2
No credit will be given for this course unless both ISLA 633D1 and ISLA 633D2 are
successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 333D1/D2 or ISLA 533D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 633D2
Credit Weight: 3
Transcript Title: Turkish for Reading 2
Calendar Title: Turkish for Reading 2.
Description: See ISLA 633D1 for course description.
Notes:
Prerequisite: ISLA 633D1
No credit will be given for this course unless both ISLA 633D1 and ISLA 633D2 are
successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 333D1/D2 or ISLA 533D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 634D1
Credit Weight: 3
Transcript Title: Turkish for Reading 3
Calendar Title: Turkish for Reading 3.
Description:
Readings on a variety of topics on Turkish language, culture, history, and literature. Reading academic works in Turkish, introduction to academic language in Turkish.
Notes:
Prerequisites: ISLA 633D1/D2 or ISLA 533D1/D2 or ISLA 333D1/D2 or permission of the Institute.
Students must register for both ISLA 634D1 and ISLA 634D2
No credit will be given for this course unless both ISLA 634D1 and ISLA 634D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 434D1/D2 or ISLA 534D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 634D2
Credit Weight: 3
Transcript Title: Turkish for Reading 3
Calendar Title: Turkish for Reading 3.
Description:
See ISLA 634D1 for course description.
Notes:
Prerequisite: ISLA 634D1
No credit will be given for this course unless both ISLA 634D1 and ISLA 634D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 434D1/D2 or ISLA 534D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 641D1
Credit Weight: 3
Transcript Title: Persian for Reading 1
Calendar Title: Persian for Reading 1.
Description:
Introduction to the pronunciation, script, speech, and comprehension of the Persian language, as well as vocabulary and grammatical structures needed to communicate in simple dialogues, read and write introductory texts.
Notes:
Prerequisite: Permission of the instructor.
Students must register for both ISLA 641D1 and ISLA 641D2
No credit will be given for this course unless both ISLA 641D1 and ISLA 641D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 241D1/D2 or ISLA 541D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 641D2
Credit Weight: 3
Transcript Title: Persian for Reading 1  
Calendar Title: Persian for Reading 1.  
Description:  
See ISLA 641D1 for course description.  
Notes:  
Prerequisite: ISLA 641D1  
No credit will be given for this course unless both ISLA 641D1 and ISLA 641D2 are successfully completed in consecutive terms  
Restrictions: Not open to students who have taken ISLA 241D1/D2 or ISLA 541D1/D2.  
Administering Faculty: Graduate Studies  
Teaching Department: Islamic Studies  
Status (catalog level): Active

ISLA 642D1  
Credit Weight: 3  
Transcript Title: Persian for Reading 2  
Calendar Title: Persian for Reading 2.  
Description:  
Intermediate level of the Persian language, with a focus on speech, comprehension, and reading and writing of more complex grammatical structures, embedded within a variety of short authentic Persian texts.  
Notes:  
Prerequisites: ISLA 641D1/D2 or ISLA 541D1/D2 or ISLA 241D1/D2 or permission of the instructor.  
Students must register for both ISLA 642D1 and ISLA 642D2  
No credit will be given for this course unless both ISLA 642D1 and ISLA 642D2 are successfully completed in consecutive terms  
Restrictions: Not open to students who have taken ISLA 542D1/D2 or ISLA 342D1/D2.  
Administering Faculty: Graduate Studies  
Teaching Department: Islamic Studies  
Status (catalog level): Active

ISLA 642D2  
Credit Weight: 3  
Transcript Title: Persian for Reading 2  
Calendar Title: Persian for Reading 2.  
Description:  
See ISLA 642D1 for course description.  
Notes:  
Prerequisite: ISLA 642 D1  
No credit will be given for this course unless both ISLA 642D1 and ISLA 642D2 are successfully completed in consecutive terms  
Restrictions: Not open to students who have taken ISLA 542D1/D2 or ISLA 342D1/D2.  
Administering Faculty: Graduate Studies  
Teaching Department: Islamic Studies  
Status (catalog level): Active

ISLA 643D1  
Credit Weight: 3  
Transcript Title: Persian for Reading 3  
Calendar Title: Persian for Reading 3.  
Description:  
Upper intermediate-level grammar and vocabulary, embedded in authentic texts about Persian culture, history, geography, politics, arts, and other topics relevant to Iran, as well as canonical poems of various modern and classical Persian poets, and selected Persian proverbs and their meanings and connotations.
Notes:
Prerequisite: ISLA 642D1/D2 or ISLA 542D1/D2 or ISLA 342D1/D2 or permission of the instructor.
Students must register for both ISLA 643D1 and ISLA 643D2
No credit will be given for this course unless both ISLA 643D1 and ISLA 643D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 543 or ISLA 544 or ISLA 443D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 643D2
Credit Weight: 3
Transcript Title: Persian for Reading 3
Calendar Title: Persian for Reading 3.
Description:
See ISLA 643D1 for course description.
Notes:
Prerequisite: ISLA 643D1
No credit will be given for this course unless both ISLA 643D1 and ISLA 643D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 543 or ISLA 544 or ISLA 443D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 651D1
Credit Weight: 3
Transcript Title: Urdu-Hindi for Reading 1
Calendar Title: Urdu-Hindi for Reading 1.
Description:
Introduction to reading and writing of either the Urdu or Hindi script; speaking and comprehension of basic sentences, commands, statements in the present tense.
Notes:
Prerequisite: Permission of the Institute.
Students must register for both ISLA 651D1 and ISLA 651D2
No credit will be given for this course unless both ISLA 651D1 and ISLA 651D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 551D1/D2 or ISLA 251D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 651D2
Credit Weight: 3
Transcript Title: Urdu-Hindi for Reading 1
Calendar Title: Urdu-Hindi for Reading 1.
Description:
See ISLA 651D1 for course description.
Notes:
Prerequisite: ISLA 651D1
No credit will be given for this course unless both ISLA 651D1 and ISLA 651D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken ISLA 551D1/D2 or ISLA 251D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 652D1
Credit Weight: 3
 Transcript Title: Urdu-Hindi for Reading 2
 Calendar Title: Urdu-Hindi for Reading 2.
 Description: Reading and comprehension of indirect constructions, the subjunctive mood, and future and past tenses of the Urdu-Hindi language.
 Notes: Prerequisites: ISLA 651D1/D2 or ISLA 551D1/D2 or ISLA 251D1/D2 or permission of the Institute.
 Students must register for both ISLA 652D1 and ISLA 652D2
 No credit will be given for this course unless both ISLA 652D1 and ISLA 652D2 are successfully completed in consecutive terms
 Restrictions: Not open to students who have taken ISLA 552D1/D2 or ISLA 352D1/D2.

ISLA 652D2
Credit Weight: 3
 Transcript Title: Urdu-Hindi for Reading 2
 Calendar Title: Urdu-Hindi for Reading 2.
 Description: See ISLA 652D1 for course description.
 Notes: Prerequisite: ISLA 652D1
 No credit will be given for this course unless both ISLA 652D1 and ISLA 652D2 are successfully completed in consecutive terms
 Restrictions: Not open to students who have taken ISLA 552D1/D2 or ISLA 352D1/D2.

ISLA 670
Credit Weight: 3
 Transcript Title: Islamic Law
 Calendar Title: Islamic Law.
 Description: Advanced examination of research issues in the field of Islamic law. Topics will include modernity, gender, family law, and property.

ISLA 680
Credit Weight: 3
 Transcript Title: Ottoman Institutions
 Calendar Title: Ottoman Institutions.
 Description: A chronological overview of Ottoman history to 1800, providing in-depth discussions about the nature of development of Ottoman institutions. Topics include the formation of the Ottoman bureaucracy, the historical development of
taxation and land regimes, and structures of provincial government. The course integrates a strong social history component that introduces students to sources and methodologies of Ottoman social history.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Islamic Studies  
**Status (catalog level):** Active

**ISLA 681**  
Credit Weight: 3  
Transcript Title: Special Topics 2  
Calendar Title: Special Topics 2.  
Description: Selected topics in Islamic studies.  
Notes:  
Fall and/or Winter  
Note: Subject matter will vary year to year, according to the instructor. Topic will be announced at the beginning of the term.

**ISLA 682**  
Credit Weight: 3  
Transcript Title: Islamic Politics in Africa  
Calendar Title: Islamic Politics in Africa.  
Description: Advanced examination of research issues in the field of Islamic politics in Africa. Topics will include: Political Islam; social movement perspectives; Islam, state-building and civil conflict; the political economy of Islamist extremism, and globalization; informal markets and the rise of the politics of Identity.  
Notes:  
Fall

**ISLA 683**  
Credit Weight: 3  
Transcript Title: History of Science in Islam  
Calendar Title: History of Science in Islam.  
Description: Advanced examination of research issues in the historiography of Islamic science. These include: the appropriation and naturalization of ancient Greek science by Islamic scientists; the Arabic-Latin translation movement and the influence of Islamic science on medieval and Renaissance Europe; and the question of the post-medieval decline of Islamic science.  
Notes:  
Fall

**ISLA 697**  
Credit Weight: 6  
Transcript Title: Thesis Research 1  
Calendar Title: Thesis Research 1.  
Description:
Six credits for accepted thesis proposal.

**Notes:**
Fall and Winter

**Administering Faculty:** Graduate Studies

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

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**ISLA 698**

**Credit Weight:** 6

**Transcript Title:** Thesis Research 2

**Calendar Title:** Thesis Research 2.

**Description:**
Six credits on submission of completed thesis.

**Notes:**
Fall and Winter

**Administering Faculty:** Graduate Studies

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

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**ISLA 699**

**Credit Weight:** 12

**Transcript Title:** Thesis Research 3

**Calendar Title:** Thesis Research 3.

**Description:**
 Twelve credits for thesis passed by Internal and External examiners.

**Notes:**
Fall and Winter

**Administering Faculty:** Graduate Studies

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

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**ISLA 701**

**Credit Weight:** 0

**Transcript Title:** Comprehensive Examination

**Calendar Title:** Comprehensive Examination.

**Description:**
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

**Notes:**
Fall and/or Winter

**Administering Faculty:** Graduate Studies

**Teaching Department:** Islamic Studies

**Status (catalog level):** Active

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**ISLA 707**

**Credit Weight:** 3

**Transcript Title:** Qur'an Exegesis (Classical)

**Calendar Title:** Qur'an Exegesis (Classical).

**Description:**
A study of two or three suras of the Qur'an as interpreted by classical exegetes. The suras considered will vary from year to year.

**Notes:**
Seminar 2 hours

**Prerequisite:** Reading knowledge of Arabic

**Administering Faculty:** Graduate Studies

**Teaching Department:** Islamic Studies
Status (catalog level): Active

ISLA 735
Credit Weight: 3
Transcript Title: Special Seminar
Calendar Title: Special Seminar.
Description: Special seminar in Islamic studies.
Notes: Fall and/or Winter
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 736
Credit Weight: 3
Transcript Title: Special Topics 3
Calendar Title: Special Topics 3.
Description: Selected topics in Islamic studies.
Notes: Fall and/or Winter
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 739
Credit Weight: 3
Transcript Title: Special Seminar
Calendar Title: Special Seminar.
Description: Special seminar in Islamic studies.
Notes: Fall and/or Winter
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 745
Credit Weight: 3
Transcript Title: Special Seminar
Calendar Title: Special Seminar.
Description: Special seminar in Islamic studies.
Notes: Fall and/or Winter
Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 764D1
Credit Weight: 3
Transcript Title: Ottoman History
Calendar Title: Ottoman History.
Description: A critical examination of significant developments in political, social and
economic spheres.

Notes:
Seminar 2 hours
Students must register for both ISLA 764D1 and ISLA 764D2
No credit will be given for this course unless both ISLA 764D1 and ISLA 764D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 764D2
Credit Weight: 3
Transcript Title: Ottoman History
Calendar Title: Ottoman History.
Description:
See ISLA 764D1 for course description.
Notes:
Prerequisite: ISLA 764D1
No credit will be given for this course unless both ISLA 764D1 and ISLA 764D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 777
Credit Weight: 3
Transcript Title: Islamic Philosophy
Calendar Title: Islamic Philosophy.
Description:
Consideration of the development of philosophic thought among the Muslims. Classical Arabic or Persian writings will be used.
Notes:
Seminar 2 hours

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active

ISLA 788
Credit Weight: 3
Transcript Title: Spec Topics in Islamic Thought
Calendar Title: Special Topics in Islamic Thought.
Description:
Selected topics in Islamic thought.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Islamic Studies
Status (catalog level): Active
ITAL 199
Credit Weight: 3
Transcript Title: FYS: Italy's Lit in Context
Calendar Title: FYS: Italy's Literature in Context.
Description:
The purpose of this seminar is to re-visit, problematically, the commonsense notion that literature "reflects" reality (or society). Classics of twentieth-century Italian writing shall be analyzed as the response of that nation's literary imagination to the contradictions of its turbulent political and social history.
Notes:
Winter
Given in English
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum 25
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 205D1
Credit Weight: 3
Transcript Title: Italian for Beginners
Calendar Title: Italian for Beginners.
Description:
Grammar, reading, dictation. Intensive practice in speech patterns and written structures. Conversation and composition. Visual material and selected readings will be used in describing the making of contemporary Italy.
Notes:
Fall, Winter
3 hours and laboratory
Students must register for both ITAL 205D1 and ITAL 205D2.
No credit will be given for this course unless both ITAL 205D1 and ITAL 205D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 205D2
Credit Weight: 3
Transcript Title: Italian for Beginners
Calendar Title: Italian for Beginners.
Description:
See ITAL 205D1 for course description.
Notes:
Winter
Prerequisite: ITAL 205D1
No credit will be given for this course unless both ITAL 205D1 and ITAL 205D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 206
Credit Weight: 6
Transcript Title: Beginners Italian Intensive
**Calendar Title:** Beginners Italian Intensive.
**Description:**
Designed to cover in one term the same material as ITAL 205D1/ITAL 205D2.
**Notes:**
Fall or Winter
6 hours and 1 hour laboratory
Restriction: Not open to students who have taken ITAL 205D1/ITAL 205D2
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Languages, Literatures, Cultures
**Status (catalog level):** Active

ITAL 210D1
**Credit Weight:** 3
**Transcript Title:** Italian for Adv. Beginners
**Calendar Title:** Italian for Advanced Beginners.
**Description:**
Intended for students who have never studied Italian, but who have had some informal exposure to the language. Grammar, reading, conversation and composition. An outline of Italian civilization, oral presentations and discussions.
**Notes:**
Fall, Winter
3 hours and laboratory
Restriction: Not open to students who have taken ITAL 205D1/ITAL 205D2 or ITAL 206
Students must register for both ITAL 210D1 and ITAL 210D2.
No credit will be given for this course unless both ITAL 210D1 and ITAL 210D2 are successfully completed in consecutive terms
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Languages, Literatures, Cultures
**Status (catalog level):** Active

ITAL 210D2
**Credit Weight:** 3
**Transcript Title:** Italian for Adv. Beginners
**Calendar Title:** Italian for Advanced Beginners.
**Description:**
See ITAL 210D1 for course description.
**Notes:**
Winter
Prerequisite: ITAL 210D1
No credit will be given for this course unless both ITAL 210D1 and ITAL 210D2 are successfully completed in consecutive terms
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Languages, Literatures, Cultures
**Status (catalog level):** Active

ITAL 215D1
**Credit Weight:** 3
**Transcript Title:** Intermediate Italian
**Calendar Title:** Intermediate Italian.
**Description:**
Direct continuation of ITAL 205D1/ITAL 205D2. Grammar, literary readings, conversation. Grammar exercises and composition. Reading of selected literary works, oral presentations and group discussion.
**Notes:**
Fall, Winter
Students must register for both ITAL 215D1 and ITAL 215D2. No credit will be given for this course unless both ITAL 215D1 and ITAL 215D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**ITAL 215D2**  
**Credit Weight:** 3  
**Transcript Title:** Intermediate Italian  
**Calendar Title:** Intermediate Italian  
**Description:** See ITAL 215D1 for course description.  
**Notes:** Winter  
**Prerequisite:** ITAL 215D1  
No credit will be given for this course unless both ITAL 215D1 and ITAL 215D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**ITAL 216**  
**Credit Weight:** 6  
**Transcript Title:** Intermediate Italian Intensive  
**Calendar Title:** Intermediate Italian Intensive  
**Description:** Course designed to cover in one term the same material as ITAL 215D1/ITAL 215D2. Direct continuation of ITAL 206.  
**Notes:** Fall or Winter  
6 hours  
**Prerequisite:** ITAL 205D1/ITAL 205D2 or ITAL 206 or permission of the Department  
**Restriction:** Not open to students who have taken ITAL 210  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**ITAL 230**  
**Credit Weight:** 3  
**Transcript Title:** Understanding Italy  
**Calendar Title:** Understanding Italy  
**Description:** An introductory critical perspective on a series of issues (North/South, Church/State, the family, regionalism, Fascism) related to contemporary Italy through novels, films and essays.  
**Notes:** Course will be taught in English  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**ITAL 250**  
**Credit Weight:** 3  
**Transcript Title:** Italian Literary Composition  
**Calendar Title:** Italian Literary Composition.
Description:
Analysis and discussion of selected 19th and 20th century literary texts with a view to improving language and composition skills. Review of major grammatical difficulties.

Notes:
Fall
3 hours seminar
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent
Restriction: Not open to students who have taken ITAL 300.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 255
Credit Weight: 6
Transcript Title: Adv Reading & Composition
Calendar Title: Advanced Reading and Composition.
Description:
The understanding of grammatical structures through a variety of exercises; paraphrasing, translating, composition and discussion. Particular emphasis will be placed on syntax through the study of contemporary texts.

Notes:
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent
Restriction: Not open to students who have taken ITAL 306.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 260
Credit Weight: 3
Transcript Title: Reading Italian Literature
Calendar Title: Reading Italian Literature.
Description:
A selection of poetic, narrative and theatrical texts from different historical periods, providing students with advanced tools in textual analysis and close reading of Italian literary texts.

Notes:
Winter
Given in Italian
Prerequisite(s): ITAL 215 or ITAL 216 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 265
Credit Weight: 3
Transcript Title: The Italian Short Story
Calendar Title: The Italian Short Story.
Description:
Introduction to the Italian "novella" tradition from Boccaccio (14th Century) to the present.

Notes:
Prerequisite: ITAL 215 or ITAL 216

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
ITAL 270
Credit Weight: 3
Transcript Title: Manzoni: Novel and Nationhood
Calendar Title: Manzoni: Novel and Nationhood.
Description: An analysis of the historical novel "I promessi sposi", by Alessandro Manzoni: its political, social and intellectual role in the evolution of Italy towards nationhood (Risorgimento).
Notes: Fall
Given in Italian
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent
Restriction: Not open to students who have taken ITAL 320.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 281
Credit Weight: 3
Transcript Title: Masterpieces of Italian Lit 2
Calendar Title: Masterpieces of Italian Literature 2.
Description: A survey of Italian literature from Renaissance to the 20th century. Interdisciplinary approach.
Notes: Winter
Given in Italian
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent
Restriction: Not open to students who have taken ITAL 326.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 290
Credit Weight: 3
Transcript Title: Commedia Dell'Arte
Calendar Title: Commedia Dell'Arte.
Description: Playhouses, actors, stage techniques, masks and scenarios of the "Commedia dell'Arte".
Notes: Fall
Given in Italian
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent
Restriction: Not open to students who have taken ITAL 330.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 295
Credit Weight: 3
Transcript Title: Italian Cultural Studies
Calendar Title: Italian Cultural Studies.
Description: A cultural studies approach to contemporary Italian society. Focus on distinctive
traits of Italian popular culture through literature, film, television and other media.

Notes:
Fall
Given in Italian
Prerequisite: ITAL 215D1/D2 or 216 or permission of instructor
Restriction: Not open to students who have taken ITAL 328.

 Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 307
Credit Weight: 3
Transcript Title: Topics in Italian Culture
Calendar Title: Topics in Italian Culture.
Description:
Selected topics in Italian culture (topics may vary and may concentrate on one or more of the following areas: geography, history, music, art history, political science, and/or literature).

Notes:
 Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 309
Credit Weight: 3
Transcript Title: Perspectives on Italy
Calendar Title: Perspectives on Italy.
Description:
A study of various topics relating to the perception of Italy, the country, its people and their culture as seen by foreign and/or Italian writers. Course to be taught in English.

Notes:
A fee of $3500 will be required to cover the costs of professors room, meals, and airfare, Project Coordinator stipend, accommodation and meals; accommodation will be based on double occupancy, two meals a day, ground transportation, academic materials, city taxes and various activities/ excursions while in Italy (La Sapienza University in Rome). Students will pay their own airfare

 Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 310
Credit Weight: 3
Transcript Title: The Invention of Italian Lit
Calendar Title: The Invention of Italian Literature.
Description:
The course presents Italian's major texts and authors over the ages, by critically exploring how the invention of Italian literature impacts the formation of a national identity.

Notes:
Fall
Given in Italian
Prerequisite(s): ITAL250 or above, from amongst courses taught in Italian or permission of Department.
Restriction(s): Not open to students who have taken ITAL 280.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 329
Credit Weight: 3
Transcript Title: Italian Cinematic Tradition
Calendar Title: Italian Cinematic Tradition.
Description:
Italian films in original language. Films are examined from a wide historical and cultural perspective. Introduction to issues and preoccupations central to the Italian cultural tradition.
Notes:
Fall
Prerequisite: ITAL250 or above, from amongst courses taught in Italian or permission of Department.
Note: Course taught in Italian
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 332
Credit Weight: 3
Transcript Title: Italian Theatrical Traditions
Calendar Title: Italian Theatrical Traditions.
Description:
An overview of the major works and genres of Italian theatre from the Renaissance to the present, analyzing their reception and influence on Italian society.
Notes:
Prerequisite(s): ITAL250 or above, from amongst courses taught in Italian or permission of Department.
The course will be given in Italian.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 345
Credit Weight: 3
Transcript Title: Romanticism in Italy
Calendar Title: Romanticism in Italy.
Description:
The course introduces key figures in early-19th century Italian culture (Leopardi, Foscolo, Manzoni), and problematizes both the notion of Romanticism in Italy, and its relationship to the movement for Italian unification.
Notes:
Prerequisite: ITAL250 or above, from amongst courses taught in Italian or permission of Department.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 355
Credit Weight: 3
Transcript Title: Dante and the Middle Ages
Calendar Title: Dante and the Middle Ages.
Description:
An introduction to the work of Dante Alighieri, a pillar of medieval European
literature. The times in which he lived, the institutions and cultural shifts of that era, the influence exercised by Dante's work, as well as how it has been perceived in our time.

Notes:
Fall

Given in English

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 356
Credit Weight: 3
Transcript Title: Medieval Discourses on Love
Calendar Title: Medieval Discourses on Love.
Description: Medieval ideas, attitudes and behaviour surrounding love as represented in literature: readings will include excerpts from early Italian love lyrics, Dante's Vita Nuova, Petrarch's Canzoniere, Boccaccio's Decameron.
Notes:
Winter
Given in Italian
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 360
Credit Weight: 3
Transcript Title: Contemporary Italian Prose
Calendar Title: Contemporary Italian Prose.
Description: A study of Italian fiction, docu-fiction and non-fiction published since 1990, examined in the context of the debates on post-modernism.
Notes:
Fall
Given in Italian
Prerequisite: ITAL 210D1/D2, ITAL 215D1/D2, ITAL 216, or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 362
Credit Weight: 3
Transcript Title: Post-World War 2 Lit & Society
Calendar Title: Post-World War 2 Literature and Society.
Description: A study of Italian prose fiction and non-fiction in the context of some of the events and issues that marked these years: the aftermath of Fascism, the economic boom, terrorism, the Mafia, the North-South question.
Notes:
Winter
Given in Italian
Prerequisites: ITAL 215D1/D2, ITAL 216 or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
ITAL 363
Credit Weight: 3
Transcript Title: Gender, Literature and Society
Calendar Title: Gender, Literature and Society.
Description:
Questions of gender identity and literary representation as they emerge from women's texts or from comparisons of women's and men's texts, in relation to specific social and historical conditions. May focus on any time period in Italian history, from medieval to contemporary.
Notes:
Winter
Given in English
Course for the Women's Studies Concentrations
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 365
Credit Weight: 3
Transcript Title: The Italian Renaissance
Calendar Title: The Italian Renaissance.
Description:
A presentation of the main ideas and literary masterpieces of the Italian Renaissance (13th-17thC), in the context of Italy's social, political, religious and cultural climate. Reading and discussion of selected literary texts and visual material.
Notes:
Winter
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 371
Credit Weight: 3
Transcript Title: The Italian Baroque
Calendar Title: The Italian Baroque.
Description:
An analysis of the Italian Baroque period through an interdisciplinary overview of its major figures (Caravaggio, Bernini, Galileo, Marino, Vico) and cultural genres (commedia dell'arte, opera, still life)
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 374
Credit Weight: 3
Transcript Title: Classics of Italian Cinema
Calendar Title: Classics of Italian Cinema.
Description:
Key works in the history of Italian cinema; an in-depth analysis of a few exceptional works; emphasis on the complex web of relationship connecting each work to a wide range of cultural products and expressions, from literature to popular culture, in Italy and internationally.
Notes:
Fall

Note: Course taught in English.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 375
Credit Weight: 3
Transcript Title: Cinema & Society in Modern Italy
Calendar Title: Cinema and Society in Modern Italy.
Description: A survey of the most important trends in post-war Italian cinema seen in the context of the rapidly and dramatically evolving society of modern Italy.
Notes:
Fall
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 383
Credit Weight: 3
Transcript Title: Women's Writing since 1880
Calendar Title: Women's Writing since 1880.
Description: A study of Italian women writers and their search for literary identity.
Notes:
Fall
Prerequisite: any 300 level course given in Italian or permission of the Department
Course for the Women's Studies Concentrations
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 400
Credit Weight: 3
Transcript Title: Italian Regional Identities
Calendar Title: Italian Regional Identities.
Description: The course explores tensions between national and regional narratives in Italy's literature, culture, language, and society.
Notes:
Fall
Given in Italian
Prerequisite(s): ITAL250 or above, from amongst courses taught in Italian or permission of Department.
Restriction(s): Not open to students who have taken ITAL 327.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 410
Credit Weight: 3
Transcript Title: Italian Modernism
Calendar Title: Italian Modernism.
Description:
A study of representative works of major Italian authors from the fin-de-siècle to WWII.

Notes:
Fall
Given in Italian

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 444
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description:
In exceptional circumstances, this course may be used to meet special interests of students or to assist them in meeting the standard requirements of the Department.
Notes:
Fall or Winter
Prerequisite: ITAL 215D1/ITAL 215D2, ITAL 216, or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 450
Credit Weight: 3
Transcript Title: Italy and the Visual Age
Calendar Title: Italy and the Visual Age.
Description:
A study of the emergence of a mass culture industry in the 19th and 20th centuries, through the survey of a variety of visual sources.
Notes:
Prerequisite: ITAL250 or above, from amongst courses taught in Italian or permission of Department.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 464
Credit Weight: 3
Transcript Title: Machiavelli
Calendar Title: Machiavelli.
Description:
Machiavelli, the political thinker and man of letters. A portrait of Machiavelli as political strategist, playwright and observer of his times. Reading of The Prince as well as selected plays, letters and other writings.
Notes:
Fall
Given in English

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 465
Credit Weight: 3
Transcript Title: Religious Identities in Italy
Calendar Title: Religious Identities in Italy.

Description:
This course examines the role played by religion in shaping Italian identities by looking at the works of Dante, Marsilio Ficino, Giovanni Pico, Galileo Galilei and other Early Modern authors in their cultural and institutional contexts. By looking at how these authors expressed their beliefs and interacted with religious institutions, students are invited to critically engage on the concept of "religion".

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 470
Credit Weight: 3
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description:
Research and completion of the Honours thesis on an approved subject.
Notes:
Fall or Winter
Restriction: Compulsory for Honours and Joint Honours students.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 471D1
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Honours Thesis.
Notes:
Fall, Winter
Restrictions: Compulsory for Honours students. Not open to students who have taken ITAL 472.
Students must register for both ITAL 471D1 and ITAL 471D2
No credit will be given for this course unless both ITAL 471D1 and ITAL 471D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 471D2
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
See ITAL 471D1 for description.
Notes:
Prerequisite: ITAL 471D1
No credit will be given for this course unless both ITAL 471D1 and ITAL 471D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
ITAL 472
Credit Weight: 6
Transcript Title: Honours Thesis (Intensive)
Calendar Title: Honours Thesis (Intensive).
Description: Intensive Honours thesis.
Notes: Fall or Winter
Restrictions: Compulsory for Honours students. Not open to students who have taken ITAL 471D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 477
Credit Weight: 3
Transcript Title: Italian Cinema and Video
Calendar Title: Italian Cinema and Video.
Description: Different Italian film maker or videomaker every year, presenting a selection of his/her significant works. Discussions will include script analysis, interviews, articles and books by the director in focus, in addition to theoretical and critical statements by scholars. Established and new directors will be considered alternately.
Notes: Winter
Given in English
Restriction: Not open to students who have taken ITAL 377
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 499
Credit Weight: 3
Transcript Title: Internship: Italian Studies
Calendar Title: Internship: Italian Studies.
Description: Internship with an approved host institution or organization.
Notes: Fall or Winter
Prerequisite: Permission of the departmental Internship Advisor.
Restriction: Open to U2 and U3 students after completing 30 credits of a 90 credit degree program or 45 credits of a 69-120 credit program, a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will not normally fulfill program requirements for seminar or 400-level courses.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 560
Credit Weight: 3
Transcript Title: Topics in 19th & 20th C Lit.
Calendar Title: Topics in 19th and 20th Century Literature.
Description: Exploration of individual authors, genres, and literary or cultural movements that
have marked Italian culture in the 19th and 20th century.

Symbols:
Notes:
Fall

Given in Italian

Prerequisite for Undergraduate students: permission of the Department

Administrating Faculty: Faculty of Arts

Teaching Department: Languages, Literatures, Cultures

Status (catalog level): Active

ITAL 591
Credit Weight: 3
Transcript Title: Italian Literary Criticism
Calendar Title: Italian Literary Criticism.
Description:
From Croce's "critica estetica" to contemporary semiology. Critical essays will be analyzed and compared with theoretical statements about the definition and role of literature.

Notes:
Given in Italian
Prerequisite: Permission of the department
Restriction: A minimum of 6 credits at the 400-level
Note: Students should already have a minimum of 6 credits at the 400-level

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 602
Credit Weight: 3
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description:
The course highlights the importance of tradition in literature and focuses on different aspects of Italian literary history.

Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 602D1
Credit Weight: 1.5
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description:
The course highlights the importance of tradition in literature and focuses on different aspects of Italian literary history.

Notes:
Students must register for both ITAL 602D1 and ITAL 602D2
No credit will be given for this course unless both ITAL 602D1 and ITAL 602D2 are successfully completed in consecutive terms
ITAL 602D1 and ITAL 602D2 together are equivalent to ITAL 602

Administrating Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 602D2
Credit Weight: 1.5
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description: 
See ITAL 602D1 for course description.
Notes: 
Prerequisite: ITAL 602D1
No credit will be given for this course unless both ITAL 602D1 and ITAL 602D2 are successfully completed in consecutive terms
ITAL 602D1 and ITAL 602D2 together are equivalent to ITAL 602
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 602J1
Credit Weight: 1
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description: 
The course highlights the importance of tradition in literature and focuses on different aspects of Italian literary history.
Notes: 
Students must also register for ITAL 602J2 and ITAL 602J3
No credit will be given for this course unless ITAL 602J1, ITAL 602J2 and ITAL 602J3 are all successfully completed in consecutive terms
ITAL 602J1, ITAL 602J2 and ITAL 602J3 together are equivalent to ITAL 602
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 602J2
Credit Weight: 1
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description: 
See ITAL 602J1 for course description.
Notes: 
Prerequisite: ITAL 602J1
Students must also register for ITAL 602J3
No credit will be given for this course unless ITAL 602J1, ITAL 602J2 and ITAL 602J3 are all successfully completed in consecutive terms
ITAL 602J1, ITAL 602J2 and ITAL 602J3 together are equivalent to ITAL 602
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 602J3
Credit Weight: 1
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description: 
See ITAL 602J1 for course description.
Notes: 
Prerequisite: ITAL 602J2
No credit will be given for this course unless ITAL 602J1, ITAL 602J2 and ITAL 602J3 are all successfully completed in consecutive terms
ITAL 602J1, ITAL 602J2 and ITAL 602J3 together are equivalent to ITAL 602
Administering Faculty: Graduate Studies
ITAL 602N1

Credit Weight: 1.5
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description: The course highlights the importance of tradition in literature and focuses on different aspects of Italian literary history.
Notes: Students must also register for ITAL 602N2. No credit will be given for this course unless both ITAL 602N1 and ITAL 602N2 are successfully completed in a twelve month period. ITAL 602N1 and ITAL 602N2 together are equivalent to ITAL 602.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 602N2

Credit Weight: 1.5
Transcript Title: The Literary Tradition
Calendar Title: The Literary Tradition.
Description: See ITAL 602N1 for course description.
Notes: Prerequisite: ITAL 602N1. No credit will be given for this course unless both ITAL 602N1 and ITAL 602N2 are successfully completed in a twelve month period. ITAL 602N1 and ITAL 602N2 together are equivalent to ITAL 602.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 606

Credit Weight: 3
Transcript Title: Individual Reading Course 1
Calendar Title: Individual Reading Course 1.
Description: Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 607

Credit Weight: 3
Transcript Title: Individual Reading Course 2
Calendar Title: Individual Reading Course 2.
Description: Supervised readings supervised by a member of staff. Topics will be chosen to suit individual interests.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
ITAL 610
Credit Weight: 3
Transcript Title: Bibliography of Italian Lit
Calendar Title: Bibliography of Italian Literature.
Description:
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 610D1
Credit Weight: 1.5
Transcript Title: Bibliography of Italian Lit
Calendar Title: Bibliography of Italian Literature.
Description:
Notes:
Students must register for both ITAL 610D1 and ITAL 610D2
No credit will be given for this course unless both ITAL 610D1 and ITAL 610D2 are successfully completed in consecutive terms
ITAL 610D1 and ITAL 610D2 together are equivalent to ITAL 610
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 610D2
Credit Weight: 1.5
Transcript Title: Bibliography of Italian Lit
Calendar Title: Bibliography of Italian Literature.
Description:
See ITAL 610D1 for course description.
Notes:
Prerequisite: ITAL 610D1
No credit will be given for this course unless both ITAL 610D1 and ITAL 610D2 are successfully completed in consecutive terms
ITAL 610D1 and ITAL 610D2 together are equivalent to ITAL 610
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 619
Credit Weight: 3
Transcript Title: Topics in Literary Theory
Calendar Title: Topics in Literary Theory.
Description:
An introduction to some of the main subjects and authors of modern literary theory. Topics may include reception theory, deconstruction, postmodernism, cultural studies, formalism and structuralism, semiotics, gender studies, psychoanalysis, Marxism, translation and subjectivity.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 631
Credit Weight: 3
Transcript Title: Italian Humanism
Calendar Title: Italian Humanism.
Description: An examination of Italian humanism as a historiographical category and as an aspect of Italian culture.
Notes: Offered in Italian.

ITAL 640
Credit Weight: 3
Transcript Title: Ital Lit & West Cultural Trad
Calendar Title: Italian Literature and Western Cultural Tradition.
Description: A study of certain aspects of Italian literature in relation to the literatures of other Western countries.

ITAL 645
Credit Weight: 3
Transcript Title: Topics in Italian Cinema
Calendar Title: Topics in Italian Cinema.
Description: Italian cinema in conjunction with issues of cultural theory.
Notes: Offered in Italian.

ITAL 680
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: Presentation and discussion of research work.

ITAL 680D1
Credit Weight: 1.5
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: Presentation and discussion of research work.
Notes:
Students must register for both ITAL 680D1 and ITAL 680D2
No credit will be given for this course unless both ITAL 680D1 and ITAL 680D2 are
successfully completed in consecutive terms
ITAL 680D1 and ITAL 680D2 together are equivalent to ITAL 680

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 680D2
Credit Weight: 1.5
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
See ITAL 680D1 for course description.
Notes:
Prerequisite: ITAL 680D1
No credit will be given for this course unless both ITAL 680D1 and ITAL 680D2 are
successfully completed in consecutive terms
ITAL 680D1 and ITAL 680D2 together are equivalent to ITAL 680

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 690
Credit Weight: 9
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
For students in non-thesis option only.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 690D1
Credit Weight: 4.5
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
For students in non-thesis option only.
Notes:
Students must register for both ITAL 690D1 and ITAL 690D2
No credit will be given for this course unless both ITAL 690D1 and ITAL 690D2 are
successfully completed in consecutive terms
ITAL 690D1 and ITAL 690D2 together are equivalent to ITAL 690

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 690D2
Credit Weight: 4.5
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
See ITAL 690D1 for course description.
Notes:
Prerequisite: ITAL 690D1
No credit will be given for this course unless both ITAL 690D1 and ITAL 690D2 are successfully completed in consecutive terms
ITAL 690D1 and ITAL 690D2 together are equivalent to ITAL 690
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 690N1
Credit Weight: 4.5
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description: For students in non-thesis option only.
Notes: Students must also register for ITAL 690N2
No credit will be given for this course unless both ITAL 690N1 and ITAL 690N2 are successfully completed in a twelve month period
ITAL 690N1 and ITAL 690N2 together are equivalent to ITAL 690
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 690N2
Credit Weight: 4.5
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description: See ITAL 690N1 for course description.
Notes: Prerequisite: ITAL 690N1
No credit will be given for this course unless both ITAL 690N1 and ITAL 690N2 are successfully completed in a twelve month period
ITAL 690N1 and ITAL 690N2 together are equivalent to ITAL 690
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 691
Credit Weight: 9
Transcript Title: Research Paper 2
Calendar Title: Research Paper 2.
Description: For students in non-thesis option only.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 691D1
Credit Weight: 4.5
Transcript Title: Research Paper 2
Calendar Title: Research Paper 2.
Description: For students in non-thesis option only.
Notes: Students must register for both ITAL 691D1 and ITAL 691D2
No credit will be given for this course unless both ITAL 691D1 and ITAL 691D2 are successfully completed in consecutive terms.
ITAL 691D1 and ITAL 691D2 together are equivalent to ITAL 691.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Languages, Literatures, Cultures

**Status (catalog level)**: Inactive

**ITAL 691D2**

**Credit Weight**: 4.5

**Transcript Title**: Research Paper 2

**Calendar Title**: Research Paper 2.

**Description**:

See ITAL 691D1 for course description.

**Notes**:

Prerequisite: ITAL 691D1

No credit will be given for this course unless both ITAL 691D1 and ITAL 691D2 are successfully completed in consecutive terms.

ITAL 691D1 and ITAL 691D2 together are equivalent to ITAL 691.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Languages, Literatures, Cultures

**Status (catalog level)**: Inactive

**ITAL 691N1**

**Credit Weight**: 4.5

**Transcript Title**: Research Paper 2

**Calendar Title**: Research Paper 2.

**Description**:

For students in non-thesis option only.

**Notes**:

Students must also register for ITAL 691N2.

No credit will be given for this course unless both ITAL 691N1 and ITAL 691N2 are successfully completed in a twelve month period.

ITAL 691N1 and ITAL 691N2 together are equivalent to ITAL 691.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Languages, Literatures, Cultures

**Status (catalog level)**: Inactive

**ITAL 691N2**

**Credit Weight**: 4.5

**Transcript Title**: Research Paper 2

**Calendar Title**: Research Paper 2.

**Description**:

See ITAL 691N1 for course description.

**Notes**:

Prerequisite: ITAL 691N1

No credit will be given for this course unless both ITAL 691N1 and ITAL 691N2 are successfully completed in a twelve month period.

ITAL 691N1 and ITAL 691N2 together are equivalent to ITAL 691.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Languages, Literatures, Cultures

**Status (catalog level)**: Inactive

**ITAL 698**

**Credit Weight**: 6

**Transcript Title**: Thesis Proposal

**Calendar Title**: Thesis Proposal.
Description:
A written presentation which will include: (a) a review of the literature pertinent to the thesis, (b) the definition of the thesis research project within the parameters of the critical literature, and (c) an indication of how the research project will be carried out.

Administering Faculty: Graduate Studies

Teaching Department: Languages, Literatures, Cultures

Status (catalog level): Active

ITAL 698D1
Credit Weight: 3
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.

Description:
A written presentation which will include: (a) a review of the literature pertinent to the thesis, (b) the definition of the thesis research project within the parameters of the critical literature, and (c) an indication of how the research project will be carried out.

Notes:
Students must register for both ITAL 698D1 and ITAL 698D2
No credit will be given for this course unless both ITAL 698D1 and ITAL 698D2 are successfully completed in consecutive terms
ITAL 698D1 and ITAL 698D2 together are equivalent to ITAL 698

Administering Faculty: Graduate Studies

Teaching Department: Languages, Literatures, Cultures

Status (catalog level): Inactive

ITAL 698D2
Credit Weight: 3
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.

Description:
See ITAL 698D1 for course description.

Notes:
Prerequisite: ITAL 698D1
No credit will be given for this course unless both ITAL 698D1 and ITAL 698D2 are successfully completed in consecutive terms
ITAL 698D1 and ITAL 698D2 together are equivalent to ITAL 698

Administering Faculty: Graduate Studies

Teaching Department: Languages, Literatures, Cultures

Status (catalog level): Inactive

ITAL 698J1
Credit Weight: 2
Transcript Title: Thesis Proposal
Calendar Title: Thesis Proposal.

Description:
A written presentation which will include: (a) a review of the literature pertinent to the thesis, (b) the definition of the thesis research project within the parameters of the critical literature, and (c) an indication of how the research project will be carried out.

Notes:
Students must also register for ITAL 698J2 and ITAL 698J3
No credit will be given for this course unless ITAL 698J1, ITAL 698J2 and ITAL 698J3 are all successfully completed in consecutive terms
ITAL 698J1, ITAL 698J2 and ITAL 698J3 together are equivalent to ITAL 698
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Inactive

**ITAL 698J2**  
**Credit Weight:** 2  
**Transcript Title:** Thesis Proposal  
**Calendar Title:** Thesis Proposal.  
**Description:**  
See ITAL 698J1 for course description.  
**Notes:**  
Prerequisite: ITAL 698J1  
Students must also register for ITAL 698J3  
No credit will be given for this course unless ITAL 698J1, ITAL 698J2 and ITAL 698J3 are all successfully completed in consecutive terms  
ITAL 698J1, ITAL 698J2 and ITAL 698J3 together are equivalent to ITAL 698

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Inactive

**ITAL 698J3**  
**Credit Weight:** 2  
**Transcript Title:** Thesis Proposal  
**Calendar Title:** Thesis Proposal.  
**Description:**  
See ITAL 698J1 for course description.  
**Notes:**  
Prerequisite: ITAL 698J2  
No credit will be given for this course unless ITAL 698J1, ITAL 698J2 and ITAL 698J3 are all successfully completed in consecutive terms  
ITAL 698J1, ITAL 698J2 and ITAL 698J3 together are equivalent to ITAL 698

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Inactive

**ITAL 698N1**  
**Credit Weight:** 3  
**Transcript Title:** Thesis Proposal  
**Calendar Title:** Thesis Proposal.  
**Description:**  
A written presentation which will include: (a) a review of the literature pertinent to the thesis, (b) the definition of the thesis research project within the parameters of the critical literature, and (c) an indication of how the research project will be carried out.  
**Notes:**  
Students must also register for ITAL 698N2  
No credit will be given for this course unless both ITAL 698N1 and ITAL 698N2 are successfully completed in a twelve month period  
ITAL 698N1 and ITAL 698N2 together are equivalent to ITAL 698

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Inactive

**ITAL 698N2**  
**Credit Weight:** 3  
**Transcript Title:** Thesis Proposal
**Calendar Title:** Thesis Proposal.

**Description:**
See ITAL 698N1 for course description.

**Notes:**
Prerequisite: ITAL 698N1
No credit will be given for this course unless both ITAL 698N1 and ITAL 698N2 are successfully completed in a twelve month period
ITAL 698N1 and ITAL 698N2 together are equivalent to ITAL 698

**Administering Faculty:** Graduate Studies

**Teaching Department:** Languages, Literatures, Cultures

**Status (catalog level):** Inactive

ITAL 699

**Credit Weight:** 18

**Transcript Title:** Thesis

**Calendar Title:** Thesis.

**Description:**
Completion of the thesis.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Languages, Literatures, Cultures

**Status (catalog level):** Active

ITAL 699D1

**Credit Weight:** 9

**Transcript Title:** Thesis

**Calendar Title:** Thesis.

**Description:**
Completion of the thesis.

**Notes:**
Students must register for both ITAL 699D1 and ITAL 699D2
No credit will be given for this course unless both ITAL 699D1 and ITAL 699D2 are successfully completed in consecutive terms
ITAL 699D1 and ITAL 699D2 together are equivalent to ITAL 699

**Administering Faculty:** Graduate Studies

**Teaching Department:** Languages, Literatures, Cultures

**Status (catalog level):** Inactive

ITAL 699D2

**Credit Weight:** 9

**Transcript Title:** Thesis

**Calendar Title:** Thesis.

**Description:**
See ITAL 699D1 for course description.

**Notes:**
Prerequisite: ITAL 699D1
No credit will be given for this course unless both ITAL 699D1 and ITAL 699D2 are successfully completed in consecutive terms
ITAL 699D1 and ITAL 699D2 together are equivalent to ITAL 699

**Administering Faculty:** Graduate Studies

**Teaching Department:** Languages, Literatures, Cultures

**Status (catalog level):** Inactive

ITAL 699J1

**Credit Weight:** 6

**Transcript Title:** Thesis

**Calendar Title:** Thesis.
Description:
Completion of the thesis.

Notes:
Students must also register for ITAL 699J2 and ITAL 699J3
No credit will be given for this course unless ITAL 699J1, ITAL 699J2 and ITAL 699J3 are all successfully completed in consecutive terms
ITAL 699J1, ITAL 699J2 and ITAL 699J3 together are equivalent to ITAL 699

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 699J2
Credit Weight: 6
Transcript Title: Thesis
Calendar Title: Thesis.
Description:
See ITAL 699J1 for course description.
Notes:
Prerequisite: ITAL 699J1
Students must also register for ITAL 699J3
No credit will be given for this course unless ITAL 699J1, ITAL 699J2 and ITAL 699J3 are all successfully completed in consecutive terms
ITAL 699J1, ITAL 699J2 and ITAL 699J3 together are equivalent to ITAL 699

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 699J3
Credit Weight: 6
Transcript Title: Thesis
Calendar Title: Thesis.
Description:
See ITAL 699J1 for course description.
Notes:
Prerequisite: ITAL 699J2
No credit will be given for this course unless ITAL 699J1, ITAL 699J2 and ITAL 699J3 are all successfully completed in consecutive terms
ITAL 699J1, ITAL 699J2 and ITAL 699J3 together are equivalent to ITAL 699

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 699N1
Credit Weight: 9
Transcript Title: Thesis
Calendar Title: Thesis.
Description:
Completion of the thesis.
Notes:
Students must also register for ITAL 699N2
No credit will be given for this course unless both ITAL 699N1 and ITAL 699N2 are successfully completed in a twelve month period
ITAL 699N1 and ITAL 699N2 together are equivalent to ITAL 699

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive
ITAL 699N2
Credit Weight: 9
Transcript Title: Thesis
Calendar Title: Thesis.
Description: See ITAL 699N1 for course description.
Notes: Prerequisite: ITAL 699N1
No credit will be given for this course unless both ITAL 699N1 and ITAL 699N2 are successfully completed in a twelve month period.
ITAL 699N1 and ITAL 699N2 together are equivalent to ITAL 699
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

ITAL 701
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 710
Credit Weight: 3
Transcript Title: Topics in Italian Literature 1
Calendar Title: Topics in Italian Literature 1.
Description: Review of selected topics in Italian literature.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 720
Credit Weight: 3
Transcript Title: Topics in Italian Literature 2
Calendar Title: Topics in Italian Literature 2.
Description: Review of selected topics in Italian literature.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

ITAL 780
Credit Weight: 3
Transcript Title: Student Staff Seminar
Calendar Title: Student Staff Seminar.
Description: This seminar is intended to provide graduate students the opportunity to present their research to the members of the department, obtain feedback and re-present their progress at the end of the term.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
JWST 199
Credit Weight: 3
Transcript Title: FYS: Images - Jewish Identities
Calendar Title: FYS: Images - Jewish Identities.
Description:
A seminar devoted to literary portrayals of Jews by Jews and non-Jews from Biblical times to the present. Both positive and negative understandings of Jewish identity and Judaism will be studied.
Notes:
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum enrolment 25
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 201
Credit Weight: 3
Transcript Title: Jewish Law
Calendar Title: Jewish Law.
Description:
The nature and history of Jewish law; literary and legal sources; selections in English from the Mishnah and Talmud, as well as selected post-Talmudic Texts, on such subjects as Contracts, Torts, Public Law and Family Law.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 202
Credit Weight: 3
Transcript Title: Introduction to Jewish Music
Calendar Title: Introduction to Jewish Music.
Description:
A survey of Jewish music from the Bible to the present. Special attention is given to the Jewish and non-Jewish contexts in which the music developed.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 205
Credit Weight: 3
Transcript Title: Intro to Jewish Literature
Calendar Title: Introduction to Jewish Literature.
Description:
A survey of Jewish literary texts from the Bible to the present day including
selections from psalms, prophecy, prayer, poetry, short stories and novels. Critical literature on these texts reflecting comparative, religious, historical, feminist, psychoanalytic and linguistic approaches will also be studied.

Notes:

Administrating Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 206
Credit Weight: 3
Transcript Title: Intro to Yiddish Literature
Calendar Title: Introduction to Yiddish Literature.
Description:
A survey of Yiddish literature with a particular focus on the modern period (the 1860s to the present). As we read major works of Yiddish literature, we will discuss the main factors in its development, including its position as a minority literature, Ashkenazi civilization's religious foundations and multilingualism, the rise of political movements, and the trauma of the Holocaust. In his Nobel lecture, Yiddish writer Isaac Bashevis Singer described Yiddish as "the idiom of the frightened and hopeful humanity." We will explore both the reasons behind and the effects of such universalization of Yiddish language, literature, and culture.

Notes:
Readings are in English

Administrating Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 211
Credit Weight: 3
Transcript Title: Jewish St 1: Biblical Period
Calendar Title: Jewish Studies 1: Biblical Period.
Description:
The history, literature and beliefs of Judaism's formative period. Both Biblical and non-Biblical materials will be studied. The Bible in the context of cognate literatures of the Ancient Near East; non-Biblical documents will be analysed for their bearing on the Jewish tradition.

Notes:
All texts will be read in English

Administrating Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 216
Credit Weight: 3
Transcript Title: Jewish Studies 2: 400 BCE-1000
Calendar Title: Jewish Studies 2: 400 B.C.E. - 1000.
Description:
The history, literature and intellectual developments in Judaism during late
antiquity. Special emphasis will be placed on rabbinic literature e.g. Babylonian
Talmud, Palestinian Talmud, the midrashim both as literary works and for the light
they shed on the events and ideologies of the period.

Notes:
For detailed course content go to <a
target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. All texts and discussions will be in English
Restrictions: Not open to students who have taken HIST 207

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 217
Credit Weight: 3
Transcript Title: Jewish St 3: 1000 to 2000
Calendar Title: Jewish Studies 3: 1000 - 2000.
Description:
The Jewish experience from the rise of the European centres to the present.
Notes:
For detailed course content go to <a
target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. All texts will be read in English

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 220
Credit Weight: 6
Transcript Title: Introductory Hebrew
Calendar Title: Introductory Hebrew.
Description:
Language acquisition - introductory Hebrew.
Notes:
For detailed course content go to <a

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 220D1
Credit Weight: 3
Transcript Title: Introductory Hebrew
Calendar Title: Introductory Hebrew.
Description:
Language acquisition - introductory Hebrew.
Notes:
For detailed course content go to <a
No credit will be given for this course unless both JWST 220D1 and JWST 220D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 220D2
Credit Weight: 3
Transcript Title: Introductory Hebrew
Calendar Title: Introductory Hebrew.
Description: See JWST 220D1 for course description.
Notes: For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. No credit will be given for this course unless both JWST 220D1 and JWST 220D2 are successfully completed in consecutive terms. JWST 220D1 and JWST 220D2 together are equivalent to JWST 220.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 225
Credit Weight: 3
Transcript Title: Literature and Society
Calendar Title: Literature and Society.
Description: A panoramic analysis of Israeli society through poetry, fiction, essays, interviews and testimonial narratives reflecting the country's historical, ideological and ethnic complexity. In English translation, we will read Oz, Amichai, Habibi, Har-Even and Yehoshua, as well as new authors from divergent ethnic, religious and ideological positions.
Notes: For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. All texts will be read in English.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 226
Credit Weight: 3
Transcript Title: Contemporary Israeli Fiction
Calendar Title: Contemporary Israeli Fiction.
Description: Study of selected themes in literary works by Israeli authors.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 240
Credit Weight: 3
Transcript Title: The Holocaust
Calendar Title: The Holocaust.
Description: Consideration of the history of the Holocaust and the literary, theological and cultural responses to the destruction of European Jewry.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. Restriction: Not open to students who have taken JWST 252 "The Holocaust"
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 245
Credit Weight: 3
Transcript Title: Jewish Life - Islamic World
Calendar Title: Jewish Life in the Islamic World.
Description: Until the early modern period, most of the world’s Jews spoke Arabic and called the Islamic world home. This course explores the Jewish experience among Muslims from the seventh century until the present. Through close readings of primary sources and historical scholarship, students will learn how Jews under Islam shaped modern Judaism, how engagement with Arabic in Islamic Spain led to the revival of Hebrew, and how the Jewish-Muslim relationship fared in the twentieth century. The course also probes themes of history and memory in light of the departure of Jews from the Islamic world in the 1950s and 1960s.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 252
Credit Weight: 3
Transcript Title: Interdisciplinary Lectures
Calendar Title: Interdisciplinary Lectures.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 254
Credit Weight: 3
Transcript Title: The Jewish Holy Days
Calendar Title: The Jewish Holy Days.
Description: An exploration of the Jewish holy days. Emphasis is placed on their historical development, philosophical messages, and ritual forms.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active
JWST 261
Credit Weight: 3
Transcript Title: Hist of Jewish Phil & Thought
Calendar Title: History of Jewish Philosophy and Thought.
Description: An introduction to Jewish philosophy and thought from the Hellenistic period (Philo) to the beginning of the modern era (Spinoza) focusing on topics such as prophecy and philosophy, God and the world; the Law as a canon of ethical rules and as a political constitution. Survey of the treatment of such issues by Jewish thinkers from Philo to Maimonides.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 262
Credit Weight: 3
Transcript Title: Modern Jewish Philosophy
Calendar Title: Modern Jewish Philosophy.
Description: A survey of Jewish philosophical responses to the challenges of the modern world. Jewish thinkers studied include Baruch Spinoza, Moses Mendelssohn, Hermann Cohen, Martin Buber, Franz Rosenzweig, Joseph Soloveitchik and Emil Fackenheim.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 281
Credit Weight: 3
Transcript Title: Introductory Yiddish 1
Calendar Title: Introductory Yiddish 1.
Description: An introduction to Yiddish, the millennium-old language of Ashkenazic Jews. This course will cover basic grammar and vocabulary and will include practice in speaking, reading, and writing. The course materials draw on Yiddish literature, humor, songs, and films, and will thus allow students to combine the acquisition of practical language skills with an exploration of Yiddish culture from its beginnings in medieval Germany through its past and present in Central and Eastern Europe, the Americas, Israel, and all over the world.
Summer
Restriction(s): Not open to students who have taken JWST 280, 280D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active
JWST 282
Credit Weight: 3
Transcript Title: Introductory Yiddish 2
Calendar Title: Introductory Yiddish 2.
Description:
This course is designed for students with a basic command of Yiddish who wish to improve their knowledge of the language and to further explore the culture behind it. Further development of the four language skills - speaking, reading, writing, and listening - with a particular emphasis on expanding vocabulary and improving grammar. Basic overview of the main Yiddish dialects. Course materials include selections from Yiddish literature, humor, songs, and films of Jewish life past and present.
Notes:
For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. Prerequisite(s): JWST 281 or permission of instructor. Not open to students who have taken JWST 280, 280D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 300
Credit Weight: 3
Transcript Title: Charisma and Social Change
Calendar Title: Charisma and Social Change.
Description:
An introduction to charismatic phenomena in politics, religion and the media, and interpretation of them, from the ancient prophets to the modern period. Particular attention will be given to charisma as a general force for social change and also the lives of individuals such as Lenin, Krishnamurti and Chaplin.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 303
Credit Weight: 3
Transcript Title: The Soviet Jewish Experience
Calendar Title: The Soviet Jewish Experience.
Description:
Sovietization both fueled the modernization of Russian Jewry and contributed to its eventual suppression. This experience will be examined from two perspectives: history and literature. The interrelationship between culture and politics and the effects of ideology and censorship on literature will be discussed.
Notes:
Readings in English
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 306
Credit Weight: 3
Transcript Title: The American Jewish Community
Calendar Title: The American Jewish Community.
Description: Issues affecting American Jewry in the post-World War I era until today and the American Jewish community's responses to those issues. Special emphasis on understanding the community responses and reactions to developments in both the American society and in the Jewish world.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 309
Credit Weight: 3
Transcript Title: Jews in Film
Calendar Title: Jews in Film.
Description: An introduction to the portrayal of Jews in film from the 1920s to the present. Films to be studied will usually be based on literary texts in English, which will form part of the required study. Films in languages other than English will be subtitled.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 310
Credit Weight: 3
Transcript Title: Believers, Heretics & Critics
Calendar Title: Believers, Heretics and Critics.
Description: Issues in the development of Biblical interpretation based on classical Jewish thought, heretical Jewish doctrines and contemporary Biblical criticism.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 311
Credit Weight: 3
Transcript Title: Gender in Jewish History
Calendar Title: Gender in Jewish History.
Description:
How does the inclusion of women and issues of gender change our understanding of the Jewish past? By examining a broad range of historical sources from around the world—including prayer books, letters, newspapers, novels and diaries to music, art and film—this course examines this question from the Middle Ages to the present day. Major topics to be covered include: religion and spirituality, economic life, the body and sexuality, domesticity, relations with non-Jewish neighbours, and political activism.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 312
Credit Weight: 3
Transcript Title: Modern Jewish History
Calendar Title: Modern Jewish History.
Description:
Exploration of major transformations to Jewish society and identity in the modern period. Topics include nationalism, emancipation, acculturation, modernity, relations with non-Jews, popular culture, and literature.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 313
Credit Weight: 3
Transcript Title: Jewish Life in Modern Times
Calendar Title: Jewish Life in Modern Times.
Description:
Major changes in the daily lives of Jews through interactions with other communities via movements of emancipation, acculturation, and redefinitions of national identity.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 314
Credit Weight: 3
Transcript Title: Denominations in N.A. Judaism
Calendar Title: Denominations in North American Judaism.
Description:
A survey of Reform, Reconstructionist, Conservative and Orthodox Judaism in North America. Emphasis is placed on the ideology forwarded by the movements since their inception.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 315
Credit Weight: 3
Transcript Title: Modern Liberal Jewish Thought
Calendar Title: Modern Liberal Jewish Thought.
Description:
The work of Mordecai Kaplan, followed by a study of several contemporary authors following feminist, mystical and postmodernist tendencies.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 316
Credit Weight: 3
Transcript Title: Soc&Eth Issues Jewish Law 1
Calendar Title: Social and Ethical Issues Jewish Law 1.
Description:
A brief introduction to the nature and history of Jewish law. Topics include: redemption of hostages; abortion; death and dying.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 318
Credit Weight: 3
Transcript Title: Judaism&Environ:MorlDileminLit
Calendar Title: Judaism and Environment: Moral Dilemmas in Literature.
Description:
Exploration of environmental issues as reflected in literature from the Bible to the present. Biblical reverence for life and for Nature, and the emphasis on justice, underly much literature on the environment, both religious and secular. As modern science, technology and medicine gave human beings increasing control over the environment, the harmful consequences and accompanying moral questions became major concerns, and is reflected in literature, including Blake, Dickens, Gaskell, Mendele, Ibsen, Bialik, and Chekhov.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 320
Credit Weight: 6
Transcript Title: Intermediate Hebrew
Calendar Title: Intermediate Hebrew.
Description:
This course is designed to integrate students at various levels into one group with the aim of improving their basic language skills and preparing them for advanced Hebrew.
Notes:

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Jewish Studies

**Status (catalog level):** Active

### JWST 320D1

**Credit Weight:** 3

**Transcript Title:** Intermediate Hebrew

**Calendar Title:** Intermediate Hebrew.

**Description:**
This course is designed to integrate students at various levels into one group with the aim of improving their basic language skills and preparing them for advanced Hebrew.

**Notes:**

Students must register for both JWST 320D1 and JWST 320D2.

No credit will be given for this course unless both JWST 320D1 and JWST 320D2 are successfully completed in consecutive terms.

JWST 320D1 and JWST 320D2 together are equivalent to JWST 320

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Jewish Studies

**Status (catalog level):** Active

### JWST 320D2

**Credit Weight:** 3

**Transcript Title:** Intermediate Hebrew

**Calendar Title:** Intermediate Hebrew.

**Description:**
See JWST 320D1 for course description.

**Notes:**

Prerequisite: JWST 320D1

No credit will be given for this course unless both JWST 320D1 and JWST 320D2 are successfully completed in consecutive terms.

JWST 320D1 and JWST 320D2 together are equivalent to JWST 320

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Jewish Studies

**Status (catalog level):** Active

### JWST 323

**Credit Weight:** 3

**Transcript Title:** The Israeli Novel

**Calendar Title:** The Israeli Novel.

**Description:**
In-depth examination of selected Israeli novels written during the past fifty years of national formation and consolidation. Authors may include Agnon, Yehoshua, Oz, Shabtai, Shalev and others.

**Notes:**

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Jewish Studies
Status (catalog level): Active

JWST 325
Credit Weight: 3
Transcript Title: Israeli Lit in Translation
Calendar Title: Israeli Literature in Translation.
Description: Survey of contemporary Israeli fiction that reflects Israel's cultural, political, and historical concerns. Authors may include Yehoshua, Oz, Librech, Michael, Shamir, Castel-Bloom, and others.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 327
Credit Weight: 3
Transcript Title: A Book of the Bible
Calendar Title: A Book of the Bible.
Description: One book of the Bible will be studied in its entirety in Hebrew. Emphasis on the contributions of Ancient Near Eastern Studies (archaeology, comparative literature and Semitic linguistics) to understanding the text.
Prerequisite: Knowledge of Hebrew
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 330
Credit Weight: 3
Transcript Title: Topics in the Hebrew Bible
Calendar Title: Topics in the Hebrew Bible.
Description: A selected topic of current interest in the Hebrew Bible will be studied in depth. Emphasis on the contributions of Ancient Near Eastern Studies (archaeology, comparative literature, and Semitic linguistics) to understanding the text. Students may read the text in Hebrew or in translation.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 334
Credit Weight: 3
Transcript Title: Jew&Muslims: A Modern History
Calendar Title: Jews and Muslims: A Modern History.
Description:
This course examines the modern history of Jewish-Muslim relations beyond just conflict. We will look at the experience of Jews and Muslims -- as individuals and communities -- who charted new cultural territory while navigating colonialism, nationalism, war, and decolonization, through close readings of a wide variety of primary sources (including letters, memoirs, fiction, music, film, and photography) and historical scholarship.
Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 337
Credit Weight: 3
Transcript Title: Jewish Philosophy & Thought 1
Calendar Title: Jewish Philosophy and Thought 1.
Description:
Focuses on either a period, a current of thought or the work of a thinker in the history of Jewish thought from Antiquity to the Middle Ages, paying particular attention to the relationship of Jewish thinkers to intellectual trends in their respective cultural contexts. Contemporary Muslim and Christian theologians and philosophers.
Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 338
Credit Weight: 3
Transcript Title: Jewish Philosophy & Thought 2
Calendar Title: Jewish Philosophy and Thought 2.
Description:
Focuses on either a period, a current of thought or the work of a thinker in the history of Jewish thought from the Middle Ages to Modern Times, paying particular attention to the relationship of Jewish thinkers to intellectual trends in their respective cultural contexts. themes and concerns of Jewish theology and on Jewish responses to contemporary trends in European thought.
Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 340
Credit Weight: 6
Transcript Title: Advanced Hebrew
Calendar Title: Advanced Hebrew.
Description: Language acquisition - advanced Hebrew.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 340D1
Credit Weight: 3
Transcript Title: Advanced Hebrew
Calendar Title: Advanced Hebrew.
Description: Language acquisition - advanced Hebrew.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=¿_blank¿>www.mcgill.ca/jewishstudies/undergraduates</a>. Prerequisite: JWST 200 or JWST 320 or permission of the Hebrew Language Coordinator
Students must register for both JWST 340D1 and JWST 340D2.
No credit will be given for this course unless both JWST 340D1 and JWST 340D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 340D2
Credit Weight: 3
Transcript Title: Advanced Hebrew
Calendar Title: Advanced Hebrew.
Description: See JWST 340D1 for course description.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=¿_blank¿>www.mcgill.ca/jewishstudies/undergraduates</a>. Prerequisite: JWST 340D1
No credit will be given for this course unless both JWST 340D1 and JWST 340D2 are successfully completed in consecutive terms
JWST 340D1 and JWST 340D2 are together equivalent to JWST 340

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 345
Credit Weight: 3
Transcript Title: Intro to Rabbinic Lit
Calendar Title: Introduction to Rabbinic Literature.
Description: An introduction to the study of Rabbinic texts.
Notes:

All readings in English

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 346
Credit Weight: 3
Transcript Title: Modern Jewish Studies
Calendar Title: Modern Jewish Studies.
Description: Topics in Jewish Studies. Semesters will be devoted to specific issues and periods of the Jewish Experience since 1500 and the literature produced by Jews during this period.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 347
Credit Weight: 3
Transcript Title: Modern Jewish Studies
Calendar Title: Modern Jewish Studies.
Description: Topics in Jewish Studies. Semesters will be devoted to specific issues and periods of the Jewish Experience since 1500 and the literature produced by Jews during this period.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 348
Credit Weight: 3
Transcript Title: Modern Jewish Studies
Calendar Title: Modern Jewish Studies.
Description: Topics in Jewish Studies. Semesters will be devoted to specific issues and periods of the Jewish Experience since 1500 and the literature produced by Jews during this period.
JWST 349
Credit Weight: 3
Transcript Title: Modern Jewish Studies
Calendar Title: Modern Jewish Studies.
Description: Topics in Jewish Studies. Semesters will be devoted to specific issues and periods of the Jewish Experience since 1500 and the literature produced by Jews during this period.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 350
Credit Weight: 3
Transcript Title: Major Jewish Authors
Calendar Title: Major Jewish Authors.
Description: This course focuses on the life and works of a single author. It offers analytical depth as well as an historical contextualization within the era in which this figure lived and worked. We will note also the major influences on this author, and his or her impact on others of the same time period and beyond. Topics vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 351
Credit Weight: 3
Transcript Title: Studies in Modern Jewish Lit
Calendar Title: Studies in Modern Jewish Literature.
Description: Within a comparative framework, this course examines cultural, thematic and artistic developments in the works of modern Jewish literature written in both Jewish and non-Jewish languages. For those without reading knowledge of the original, all works are available in English translation.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. All texts will be read in English.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 353
Credit Weight: 3
Transcript Title: Interdisc Approach to Jew St 1
Calendar Title: Interdisciplinary Approaches to Jewish Studies 1.
Description: A study of a topic in Jewish studies from the vantage point of multiple disciplines. For example, "the Figure of Moses in 20th Century Jewish Thought,
Literature, Music and Psychoanalysis." Topic varies by year.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 354
Credit Weight: 3
Transcript Title: Interdisciplinary Lectures 2
Calendar Title: Interdisciplinary Lectures 2.
Description:
Interdisciplinary lectures in Jewish studies. Topic varies by year.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 358
Credit Weight: 3
Transcript Title: Topics in Jewish Phil 1
Calendar Title: Topics in Jewish Philosophy 1.

Notes:
All texts in English

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 359
Credit Weight: 3
Transcript Title: Topics in Jewish Phil 2
Calendar Title: Topics in Jewish Philosophy 2.
Description:
Topics in Jewish philosophy. Topic varies by year.

Notes:
All texts in English

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 361
Credit Weight: 3
Transcript Title: The Shtetl: 1500-1897
Calendar Title: The Shtetl: 1500-1897.
Description:
Using historical, sociological, literary and cultural sources, this course will
examine various aspects of communal and individual life in the shtetl, the Jewish - or largely Jewish - town in Eastern Europe.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 365
Credit Weight: 3
Transcript Title: Modern Jewish Ideologies
Calendar Title: Modern Jewish Ideologies.
Description:
The rise and development of the various ideologies which attempt to define the Jews in historical, national and socio-cultural terms will be analyzed within the context of modern European nationalism. Selected texts of the Jewish Enlightenment, Science of Judaism, Peretz Smolenskin, Leon Pinsker, Simon Dubnow, Chaim Zhitlowsky and Ahad Ha-Am.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 366
Credit Weight: 3
Transcript Title: History of Zionism
Calendar Title: History of Zionism.
Description:
An examination of the development of the Zionist idea, the most influential expression of modern Jewish nationalism, which led to the creation of the Jewish state. The transformation of elements of traditional Jewish messianism into a modern political ideology. Hibbat Zion, Political Zionism, Cultural and Synthetic Zionism will be discussed.

Notes:
Recommended: JWST 365
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 367
Credit Weight: 3
Transcript Title: Hebrew through Israeli Cinema
Calendar Title: Hebrew through Israeli Cinema.
Description:
An opportunity to analyze Israeli cinema from different periods, spanning 1948 to the present. While participating primarily in Hebrew with some assignments in English, students in this course will be invited to engage actively with the social, political, psychological and aesthetic dimensions of these films.

Notes:

**Fall**

**Prerequisite:** JWST 340 or permission of instructor

This course is conducted at an advanced level of Hebrew. Please contact the instructor to assess your language proficiency.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Jewish Studies  
**Status (catalog level):** Active

**JWST 368**  
**Credit Weight:** 3  
**Transcript Title:** A Taste of Hebrew Literature  
**Calendar Title:** A Taste of Hebrew Literature.  
**Description:**

An introduction to short literary forms in Hebrew from the mid-20th Century to the present. Short stories and poems will be discussed in terms of their literary qualities, as well as in relation to their cultural, social, political and historical contexts with the ultimate aim of fostering an improved ability to read, write and speak in Hebrew.

**Notes:**


**Winter**

**Prerequisite:** JWST 340 or permission of instructor

This class is conducted at an advanced level of Hebrew. Please contact the instructor to assess your language proficiency.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Jewish Studies  
**Status (catalog level):** Active

**JWST 369**  
**Credit Weight:** 3  
**Transcript Title:** History of the Hebrew Language  
**Calendar Title:** History of the Hebrew Language.  
**Description:**

An exploration of the evolution of the Hebrew language from Biblical texts to contemporary Israeli slang, including Rabbinical commentary, Medieval hymns, poetry by Jewish authors of the Islamic world, Haskalah literature in the modern Jewish Enlightenment, and contemporary texts to showcase the revival of a spoken Hebrew after 2000 years in exile. Linguistic patterns, literary structures and vocabulary.

**Notes:**

JWST 370
Credit Weight: 3
Transcript Title: Israeli Popular Culture
Calendar Title: Israeli Popular Culture.
Description: Israel's multifaceted contemporary culture including music, theatre and the visual arts, as well as stand-up comedy, dance, film and TV series, and contemporary Israeli society.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>
Winter
Prerequisite: JWST 340 or permission of instructor
This course is conducted at an advanced level of Hebrew. Please contact the instructor to assess your language proficiency.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 371
Credit Weight: 3
Transcript Title: Jews and the City
Calendar Title: Jews and the City.
Description: Examination of Jewish life in metropolitan centres in Europe and beyond.
Notes: For detailed course content go to www.mcgill.ca/jewishstudies/undergraduates.
Restriction: Not open to students who have taken JWST 371D1/D2.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 376
Credit Weight: 3
Transcript Title: Topics in Jewish Music 1
Calendar Title: Topics in Jewish Music 1.
Description: A study of one style, historical period, or geographical location of Jewish musical expression.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 377
Credit Weight: 3
Transcript Title: Topics in Jewish Music 2
Calendar Title: Topics in Jewish Music 2.
Description: This course is the continuation of the study of one style, historical period, or geographical location of Jewish musical expression.
JWST 381
Credit Weight: 3
Transcript Title: God & Devil in Mod Yiddish Lit
Calendar Title: God and Devil in Modern Yiddish Literature.
Description:
An exploration of some of the central themes in Yiddish literature: religious faith and doubt, the nature of good and evil, and the role of fear - both awe of the divine and terror of the demonic. We will discuss Yiddish writers' use of East European Jewish folklore, the influence of Christian culture, as well as the effects of secularization, mass emigration, and the Holocaust. Readings will include works by major Yiddish writers of the nineteenth and twentieth centuries, including I. L. Peretz, Sholem Aleichem, and Isaac Bashevis Singer.
Notes:
For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. All readings in English.

JWST 382
Credit Weight: 3
Transcript Title: Judaism & Social Justice
Calendar Title: Jews, Judaism and Social Justice.
Description:
A study of North American Jewish activists, thinkers and organizations whose social justice work is deeply rooted in Jewish text and in the lessons of Jewish historical experience.
Notes:

JWST 383
Credit Weight: 3
Transcript Title: Holocaust Literature
Calendar Title: Holocaust Literature.
Description:
Readings from Holocaust literature in English translation. Writers include Primo Levi, Aharon Appelfeld, Elie Wiesel, Dan Pagis, Paul Celan, Nelly Sachs, U.Z. Greenberg and others.
Notes:
Restriction: Not open to students who have taken this topic under JWST 381

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 384
Credit Weight: 3
Transcript Title: Yiddish: Intermediate 1
Calendar Title: Yiddish: Intermediate 1.
Description:
Intermediate study of standard Yiddish with emphasis on reading, composition and conversation. Knowledge of Yiddish culture will also be expanded.
Notes:
Pre-requisite(s): JWST 281/282 or permission of instructor.
Restriction(s): Not open to students who have taken JWST 380D.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 385
Credit Weight: 3
Transcript Title: Yiddish: Intermediate 2
Calendar Title: Yiddish: Intermediate 2.
Description:
Intermediate study of standard Yiddish with emphasis on reading, composition and conversation. Knowledge of Yiddish culture will also be expanded.
Notes:
Pre-requisite(s): JWST 281/282 or permission of instructor.
Restriction(s): Not open to students who have taken JWST 380D.

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 386
Credit Weight: 3
Transcript Title: American Jewish Literature
Calendar Title: American Jewish Literature.
Description:
An intensive study of American Jewish novels from the 1900s to the present. Attention to representations of gender, class and Jewishness as seen in relation to changing notions of America. Focus on ways novels represent and wrestle with Jewish difference.
Notes:
Readings in English

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active
JWST 387
Credit Weight: 3
Transcript Title: Modern Jewish Authors
Calendar Title: Modern Jewish Authors.
Description: Introduction to representative novels written in America by Jews from the 1950s to the present. Issues of Jewish identity, ethnicity will inform our discussions. Focus on contemporary Jewish authors; consideration of the ways in which the complexities of American life are re-scripted in these novels.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 403
Credit Weight: 3
Transcript Title: Contemporary Hebrew Literature
Calendar Title: Contemporary Hebrew Literature.
Description: Israeli literature in its original language with emphasis on in-depth literary analysis. Texts read in Hebrew; assignments may be written in English.
Notes: Prerequisite: Proficiency in Hebrew.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 430
Credit Weight: 3
Transcript Title: Tutorial in Hebrew Literature
Calendar Title: Tutorial in Hebrew Literature.
Description: Individualized guided research on an approved topic in Hebrew literature.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 445
Credit Weight: 3
Transcript Title: The Poetry of Nationalism
Calendar Title: The Poetry of Nationalism.
Description: An introduction to the work of various modern 'national poets' - i.e. poets closely linked to national movements who expressed (or constructed) a particular national identity and whose work has lasting artistic value. These will include Mickiewicz of Poland, Tagore of India, Yeats of Ireland, and Bialik of pre-state Israel.
Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

**JWST 474**
Credit Weight: 3
Transcript Title: Maimonides' Mishneh Torah
Calendar Title: Maimonides' Mishneh Torah.
Description: Study of the Moses Maimonides' Mishneh Torah, including such subjects as idolatry, repentance, and sacrifices, to torts, contracts, and public law.

**JWST 480**
Credit Weight: 3
Transcript Title: Advanced Yiddish 1
Calendar Title: Advanced Yiddish 1.
Description: Development of advanced Yiddish language skills in conversation and discussion, composition, and oral presentation. Particular emphasis will be placed on the reading and paraphrasing of a variety of literary texts.

**JWST 481**
Credit Weight: 3
Transcript Title: Advanced Yiddish 2
Calendar Title: Advanced Yiddish 2.
Description: Additional development of advanced Yiddish language skills in conversation and discussion, composition, and oral presentation. Particular emphasis will be placed on the reading and paraphrasing of a variety of literary texts.

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**Fall**
Prerequisite: JWST 380 or permission of the instructor
Restriction: Not open to students who have taken JWST 480D1 and JWST 480D2

**Winter**
Prerequisite: JWST 380D1 and JWST 380D2; or permission of the instructor.
Restriction: Not open to students who have taken JWST 480D1 and JWST 480D2
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 485
Credit Weight: 3
Transcript Title: Tutorial in Yiddish Literature
Calendar Title: Tutorial in Yiddish Literature.
Description: Individualized guided research on an approved topic in Yiddish literature.

JWST 486
Credit Weight: 3
Transcript Title: Tutorial in Yiddish Literature
Calendar Title: Tutorial in Yiddish Literature.
Description: Individualized guided research on an approved topic in Yiddish literature.

JWST 491
Credit Weight: 3
Transcript Title: Honours Thesis 1
Calendar Title: Honours Thesis 1.
Description: A tutorial for the preparation of an Honours Thesis.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. Restriction: Open only to Honours and Joint Honours students.

JWST 492
Credit Weight: 3
Transcript Title: Honours Thesis 2
Calendar Title: Honours Thesis 2.
Description: A tutorial for the preparation of an Honours Thesis.
JWST 499
Credit Weight: 3
Transcript Title: Internship: Jewish Studies
Calendar Title: Internship: Jewish Studies.
Description:
Internship with an approved host institution or organization.
Notes:
Restriction: Open to U2 and U3 students pursuing a Majors or Honours program in Jewish Studies with a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will not normally fulfill program requirements for seminar or 400-level courses. A letter from a supervisor at the institution must attest to successful completion of the student's tenure.
For instructor information, please contact the Department Chair or the Director of Undergraduate studies.

JWST 500
Credit Weight: 3
Transcript Title: Directed Readings 1
Calendar Title: Directed Readings 1.
Description:
Preserving advanced concentration in one area of Jewish Studies, with exposure to two others (including biblical interpretation, history, literature and Jewish thought/philosophy), this course will be tailored to the individual program requirements of our graduate students in close consultation with their supervisors and program director.
Notes:
The course will be conducted in the manner of a tutorial or small seminar depending on the particular configuration of students enrolled each semester.

JWST 501
Credit Weight: 3
Transcript Title: Directed Readings 2
Calendar Title: Directed Readings 2.
Description:
Preserving advanced concentration in one area of Jewish Studies, with exposure to two others (including biblical interpretation, history, literature and Jewish thought/philosophy), this course will be tailored to the individual program requirements of our graduate students in close consultation with their supervisors and program director.
Notes:
The course will be conducted in the manner of a tutorial or small seminar depending on the particular configuration of students enrolled each semester. 

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 502
Credit Weight: 3
Transcript Title: Directed Readings 3
Calendar Title: Directed Readings 3.
Description:
Preserving advanced concentration in one area of Jewish Studies, with exposure to two others (including biblical interpretation, history, literature and Jewish thought/philosophy), this course will be tailored to the individual program requirements of our graduate students in close consultation with their supervisors and program director.

Notes:
Prerequisite: JWST 340 or permission of instructor
Knowledge of Hebrew required
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 503
Credit Weight: 3
Transcript Title: Directed Readings 4
Calendar Title: Directed Readings 4.
Description:
Preserving advanced concentration in one area of Jewish Studies, with exposure to two others (including biblical interpretation, history, literature and Jewish thought/philosophy), this course will be tailored to the individual program requirements of our graduate students in close consultation with their supervisors and program director.

Notes:
The course will be conducted in the manner of a tutorial or small seminar depending on the particular configuration of students enrolled each semester.
Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 504
Credit Weight: 3
Transcript Title: Seminar in Jewish Thought
Calendar Title: Seminar in Jewish Thought.
Description:
Examination of a theme or philosopher in the history of Jewish thought with
particular attention to the intersections between Jewish thought and other intellectual traditions (e.g. Greek, Islamic, Christian, etc.)

Notes:
For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. Note: Readings in English

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 510
Credit Weight: 3
Transcript Title: Jewish Bible Interpretation 1
Calendar Title: Jewish Bible Interpretation 1.
Description:
The issues, approaches, and texts of Jewish Bible interpretation between the Biblical and Talmudic eras: Bible interpretation in the Bible; in Greco-Roman Jewish literature; in the Mishnah, Tosefta, Targumim, and Talmudim; early Samaritan interpretation, Bible interpretation in ancient synagogue art, and in the massoretic literature.

Notes:
For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. Restriction: Not open to students who have taken JWST 512

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 511
Credit Weight: 3
Transcript Title: Jewish Bible Interpretation 2
Calendar Title: Jewish Bible Interpretation 2.
Description:

Notes:
For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. Restriction: Not open to students who have taken JWST 512

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 520
Credit Weight: 3
Transcript Title: Bible Interp in Antiquity
Calendar Title: Bible Interpretation in Antiquity.
Description:
Studies in bible interpretation in Antiquity.

Notes:

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Jewish Studies  
**Status (catalog level):** Active

**JWST 530**  
**Credit Weight:** 3  
**Transcript Title:** Topics in Yiddish Literature  
**Calendar Title:** Topics in Yiddish Literature.  
**Description:** Supervised research in Yiddish literature. Work will focus on one genre, literary school or author.  
**Notes:** For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=¿_blank¿>www.mcgill.ca/jewishstudies/undergraduates</a>.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Jewish Studies  
**Status (catalog level):** Active

**JWST 538**  
**Credit Weight:** 3  
**Transcript Title:** Early Rabbinic Parshanut 1  
**Calendar Title:** Early Rabbinic Parshanut 1.  
**Description:** Advanced level work on one aspect of Jewish Bible interpretation in late antiquity.  
**Notes:** For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=¿_blank¿>www.mcgill.ca/jewishstudies/undergraduates</a>.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Jewish Studies  
**Status (catalog level):** Active

**JWST 552**  
**Credit Weight:** 3  
**Transcript Title:** Judaism and Poverty  
**Calendar Title:** Judaism and Poverty.  
**Description:** An introduction to the subject of poverty in Jewish literature and its influence on religions such as Christianity and Islam, and on modern, secular ideologies, especially socialism, and creative literature.  
**Notes:** For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=¿_blank¿>www.mcgill.ca/jewishstudies/undergraduates</a>.  
**Prerequisite:** One course in Jewish Studies, Sociology or Social Work.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Jewish Studies  
**Status (catalog level):** Active

**JWST 558**  
**Credit Weight:** 3  
**Transcript Title:** Topics: Modern Jewish Thought  
**Calendar Title:** Topics: Modern Jewish Thought.  
**Description:**
Studies of topics in Modern Jewish thought. Topic varies by year.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 581
Credit Weight: 3
Transcript Title: Aramaic Language
Calendar Title: Aramaic Language.
Description:
A study of the Aramaic language.
Notes:
Requires Departmental approval
Restriction: Not open to students who have taken JWST 506

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 585
Credit Weight: 3
Transcript Title: Tutorial: E European Studies 1
Calendar Title: Tutorial: Eastern European Studies 1.
Description:
Individualized guided research on an approved topic in East European studies.
Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 586
Credit Weight: 3
Transcript Title: Tutorial: E European Studies 2
Calendar Title: Tutorial: Eastern European Studies 2.
Description:
Individualized guided research on an approved topic in East European studies.
Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 600
Credit Weight: 3
Transcript Title: Directed Readings 5
**Calendar Title:** Directed Readings 5.

**Description:**
Preserving advanced concentration in one area of Jewish Studies, with exposure to two others (including biblical interpretation, history, literature and Jewish thought/philosophy), this course will be tailored to the individual program requirements of our graduate students in close consultation with their supervisors and program director.

**Notes:**
For detailed course content go to <a href="http://www.mcgill.ca/jewishstudies/undergraduates" target="_blank">www.mcgill.ca/jewishstudies/undergraduates</a>. The course will be conducted in the manner of a tutorial or small seminar depending on the particular configuration of students enrolled each semester.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Jewish Studies

**Status (catalog level):** Active

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**JWST 602**

**Credit Weight:** 3

**Transcript Title:** East European Jewish History 1

**Calendar Title:** East European Jewish History 1.

**Description:**
(1500 - 1800) Studies on specific issues and problems related to the social and cultural history of the Jews in Eastern Europe.

**Notes:**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Jewish Studies

**Status (catalog level):** Active

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**JWST 604**

**Credit Weight:** 3

**Transcript Title:** Topics: In Jewish Thought

**Calendar Title:** Topics: In Jewish Thought.

**Description:**
Tutorial in Jewish thought.

**Notes:**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Jewish Studies

**Status (catalog level):** Active

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**JWST 615**

**Credit Weight:** 3

**Transcript Title:** Literary Analysis of Hebrew Fiction

**Calendar Title:** Literary Analysis of Hebrew Fiction.

**Description:**
A methodological examination of contemporary Hebrew narratives with particular attention to literary structures and narrative form.

**Notes:**
Administering Faculty: Graduate Studies
Teaching Department: Jewish Studies
Status (catalog level): Active

**JWST 690**
Credit Weight: 3
Transcript Title: M.A. Thesis 1
Calendar Title: M.A. Thesis 1.
Description:
Normally done during the first semester of residence, this project entails original bibliographic research related to the history of Jewish Bible interpretation, usually the preparation of an extensive bibliography of one writer, text or theme. The choice may relate to the thesis topic.
Notes:

**JWST 690D1**
Credit Weight: 1.5
Transcript Title: M.A. Thesis 1
Calendar Title: M.A. Thesis 1.
Description:
Normally done during the first semester of residence, this project entails original bibliographic research related to the history of Jewish Bible interpretation, usually the preparation of an extensive bibliography of one writer, text or theme. The choice may relate to the thesis topic.
Notes:
Students must register for both JWST 690D1 and JWST 690D2
No credit will be given for this course unless both JWST 690D1 and JWST 690D2 are successfully completed in consecutive terms
JWST 690D1 and JWST 690D2 together are equivalent to JWST 690

**JWST 690D2**
Credit Weight: 1.5
Transcript Title: M.A. Thesis 1
Calendar Title: M.A. Thesis 1.
Description:
See JWST 690D1 for course description.
Notes:
Prerequisite: JWST 690D1
No credit will be given for this course unless both JWST 690D1 and JWST 690D2 are successfully completed in consecutive terms
JWST 690D1 and JWST 690D2 together are equivalent to JWST 690

Administering Faculty: Graduate Studies

Teaching Department: Jewish Studies

Status (catalog level): Active

JWST 690N1

Credit Weight: 1.5

Transcript Title: M.A. Thesis 1

Calendar Title: M.A. Thesis 1.

Description:

Normally done during the first semester of residence, this project entails original bibliographic research related to the history of Jewish Bible interpretation, usually the preparation of an extensive bibliography of one writer, text or theme. The choice may relate to the thesis topic.

Notes:

For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. Students must also register for JWST 690N2. No credit will be given for this course unless both JWST 690N1 and JWST 690N2 are successfully completed in a twelve month period. JWST 690N1 and JWST 690N2 together are equivalent to JWST 690.

Administering Faculty: Graduate Studies

Teaching Department: Jewish Studies

Status (catalog level): Active

JWST 690N2

Credit Weight: 1.5

Transcript Title: M.A. Thesis 1

Calendar Title: M.A. Thesis 1.

Description:

See JWST 690N1 for course description.

Notes:

For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. Prerequisite: JWST 690N1. No credit will be given for this course unless both JWST 690N1 and JWST 690N2 are successfully completed in a twelve month period. JWST 690N1 and JWST 690N2 together are equivalent to JWST 690.

Administering Faculty: Graduate Studies

Teaching Department: Jewish Studies

Status (catalog level): Active

JWST 691

Credit Weight: 6

Transcript Title: M.A. Thesis 2

Calendar Title: M.A. Thesis 2.

Description:

A study of the history of Jewish interpretation of one verse, based on 100 primary sources of a topical analysis of a major issue in the history of Jewish Bible interpretation.

Notes:

JWST 692
Credit Weight: 12
Transcript Title: M.A. Thesis 3
Calendar Title: M.A. Thesis 3.
Description: Preparation of the thesis.

JWST 692D1
Credit Weight: 6
Transcript Title: M.A. Thesis 3
Calendar Title: M.A. Thesis 3.
Description: Preparation of the thesis.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. Students must register for both JWST 692D1 and JWST 692D2. No credit will be given for this course unless both JWST 692D1 and JWST 692D2 are successfully completed in consecutive terms. JWST 692D1 and JWST 692D2 together are equivalent to JWST 692.

JWST 692D2
Credit Weight: 6
Transcript Title: M.A. Thesis 3
Calendar Title: M.A. Thesis 3.
Description: See JWST 692D1 for course description.
Notes: For detailed course content go to <a href=http://www.mcgill.ca/jewishstudies/undergraduates target=_blank>www.mcgill.ca/jewishstudies/undergraduates</a>. Prerequisite: JWST 692D1. No credit will be given for this course unless both JWST 692D1 and JWST 692D2 are successfully completed in consecutive terms. JWST 692D1 and JWST 692D2 together are equivalent to JWST 692.

JWST 692N1
Credit Weight: 6
Transcript Title: M.A. Thesis 3  
Calendar Title: M.A. Thesis 3.  

Description:  
Preparation of the thesis.  

Notes:  
Students must also register for JWST 692N2  
No credit will be given for this course unless both JWST 692N1 and JWST 692N2 are successfully completed in a twelve month period  
JWST 692N1 and JWST 692N2 together are equivalent to JWST 692  

Administering Faculty: Graduate Studies  
Teaching Department: Jewish Studies  
Status (catalog level): Active  

JWST 692N2  
Credit Weight: 6  

Transcript Title: M.A. Thesis 3  
Calendar Title: M.A. Thesis 3.  

Description:  
See JWST 692N1 for course description.  

Notes:  
Prerequisite: JWST 692N1  
No credit will be given for this course unless both JWST 692N1 and JWST 692N2 are successfully completed in a twelve month period  
JWST 692N1 and JWST 692N2 together are equivalent to JWST 692  

Administering Faculty: Graduate Studies  
Teaching Department: Jewish Studies  
Status (catalog level): Active  

JWST 694  
Credit Weight: 3  

Transcript Title: M.A. Thesis 4  
Calendar Title: M.A. Thesis 4.  

Description:  
A directed reading project devoted to the modern critical scholarship on one Biblical work.  

Notes:  

Administering Faculty: Graduate Studies  
Teaching Department: Jewish Studies  
Status (catalog level): Active  

JWST 695  
Credit Weight: 9  

Transcript Title: M.A. Thesis 1  
Calendar Title: M.A. Thesis 1.  

Description:  
Bibliography and preparation of a research proposal.  

Notes:
JWST 696

Credit Weight: 9
Transcript Title: M.A. Thesis 2
Calendar Title: M.A. Thesis 2.
Description:
Thesis preparation and ongoing presentation of research results.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 697

Credit Weight: 12
Transcript Title: M.A. Thesis 3
Calendar Title: M.A. Thesis 3.
Description:
Writing and submission of thesis.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 699

Credit Weight: 3
Transcript Title: Research in Jewish Studies
Calendar Title: Research in Jewish Studies.
Description:
Practical problems and resources related to research and key theoretical debates in the field will be discussed.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Jewish Studies
Status (catalog level): Active

JWST 701

Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue
in the doctoral program.

Notes:
Restriction: Open only to PhD students
For detailed course content go to www.mcgill.ca/jewishstudies

Administering Faculty: Graduate Studies
Teaching Department: Jewish Studies
Status (catalog level): Active
LACS 480
Credit Weight: 3
Transcript Title: LACS Reading Course
Calendar Title: Latin American and Caribbean Studies Reading Course.
Description: Supervised reading in advance special topics in Latin American and Caribbean Studies under the direction of member of faculty.
Notes: Prerequisite(s): Having completed at least two of the required courses of the Program.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LACS 497
Credit Weight: 3
Transcript Title: ResSem: Latin Amer & the Caribbean
Calendar Title: Research Seminar: Latin America and the Caribbean.
Description: An interdisciplinary research seminar on topics of common interest to staff and students of the Latin-American and Caribbean Studies Program.
Notes: Restriction: Open to Program students and to others with permission of the Program Adviser. Ordinarily offered in alternate years.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LACS 498
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description: This course is designed to allow students to pursue interdisciplinary research projects under close supervision.
Notes: Prerequisite: LACS 497 and permission of the Program Adviser. Restriction: This course is only available to Latin American and Caribbean Studies Honours program students.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LACS 499
Credit Weight: 3
Transcript Title: Intership: Latin Am & Carib St
Calendar Title: Internship: Latin America and Caribbean Studies.
Description: Internship with an approved host institution or organization.
Notes: Prerequisite(s): Permission of the program Internship Advisor. Restriction(s): Open to U2 and U3 students after completing 30 credits of a 90 credit degree program or 45 credits of a 69-120 credit program, a minimum CGPA of 2.7 and permission of the program Internship Advisor. This course will normally not fulfill program requirements for seminar or 400 level courses.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
LAWG 100D1

Credit Weight: 3
Transcript Title: Contractual Obligations
Calendar Title: Contractual Obligations.
Description:
Basic concepts of contractual obligation in the Civil and Common Law. Formation and consent; formalities; cause and consideration; relativity of contracts and privity; lesion and unconscionability; performance and breach; frustration and force majeure; contractual remedies.
Notes:
Students must register for both LAWG 100D1 and LAWG 100D2.
No credit will be given for this course unless both LAWG 100D1 and LAWG 100D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 100D2

Credit Weight: 3
Transcript Title: Contractual Obligations
Calendar Title: Contractual Obligations.
Description:
See LAWG 100D1 for course description.
Notes:
Prerequisite: LAWG 100D1
No credit will be given for this course unless both LAWG 100D1 and LAWG 100D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 101D1

Credit Weight: 3
Transcript Title: Ex-Contractual Obligatns/Torts
Calendar Title: Extra-Contractual Obligations/Torts.
Description:
Integrated study of basic concepts of extracontractual obligations in the Civil and Common law. Fault and other bases for liability; protected interests; causation; reasons for exoneration; apportionment of liability; intersection of human rights and civil wrongs.
Notes:
Students must register for both LAWG 101D1 and LAWG 101D2.
No credit will be given for this course unless both LAWG 101D1 and LAWG 101D2 are successfully completed in consecutive terms
Extra-contractuelles/délits.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 101D2

Credit Weight: 3
Transcript Title: Ex-Contractual Obligatns/Torts
Calendar Title: Extra-Contractual Obligations/Torts.
Description:
See LAWG 101D1 for course description.
Notes:
Prerequisite: LAWG 101D1
No credit will be given for this course unless both LAWG 101D1 and LAWG 101D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 102D1
Credit Weight: 3
Transcript Title: Criminal Justice
Calendar Title: Criminal Justice.
Description:
Basis, nature and functioning of criminal justice within and across legal orders, with a focus on Canadian criminal justice. Main determinants of crime and rationales for criminalizing certain conduct. Key substantive, procedural, evidentiary and sentencing aspects of the criminal law, and the social impact of criminal justice.

Notes:
Students must register for both LAWG 102D1 and LAWG 102D2.
No credit will be given for this course unless both LAWG 102D1 and LAWG 102D2 are successfully completed in consecutive term


Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 102D2
Credit Weight: 3
Transcript Title: Criminal Justice
Calendar Title: Criminal Justice.
Description:
Basis, nature and functioning of criminal justice within and across legal orders, with a focus on Canadian criminal justice. Main determinants of crime and rationales for criminalizing certain conduct. Key substantive, procedural, evidentiary and sentencing aspects of the criminal law, and the social impact of criminal justice.

Notes:
Prerequisite: LAWG102D1
No credit will be given for this course unless both LAWG 102D1 and LAWG 102D2 are successfully completed in consecutive term

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 103
Credit Weight: 3
Transcript Title: Indigenous Legal Traditions
Calendar Title: Indigenous Legal Traditions.
Description:
Introduction to Indigenous law in Canada by teaching, inter alia, the connections between Indigenous ways of being and knowing and Indigenous law, including how those connections have been damaged in colonial contexts, and efforts to revitalize them. Topics include: the worldviews and constitutional contexts of Indigenous legal traditions; and the colonial contexts which have shaped the contemporary realities of Indigenous laws and Indigenous legal education.
Notes: Open only to first-year McGill law students. Languages of instruction are English and French. Indigenous Legal Traditions

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 110D1
Credit Weight: 1.5
Transcript Title: Integration Workshop
Calendar Title: Integration Workshop.
Description: An introduction to law and legal studies that complements the other first-year courses using transversal and integrative approaches.
Notes: Students must register for both LAWG 110D1 and LAWG 110D2. No credit will be given for this course unless both LAWG 110D1 and LAWG 110D2 are successfully completed in consecutive terms

Integration Workshop
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 110D2
Credit Weight: 1.5
Transcript Title: Integration Workshop
Calendar Title: Integration Workshop.
Description: An introduction to law and legal studies that complements the other first-year courses using transversal and integrative approaches.
Notes: Prerequisite: LAWG110D1 No credit will be given for this course unless both LAWG 110D1 and LAWG 110D2 are successfully completed in consecutive term

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 200
Credit Weight: 3
Transcript Title: Commercial Law
Calendar Title: Commercial Law.
Description: The contract of sale in the Civil Law and Common Law traditions; nature and scope of the contract of sale; conditions of formation; sale of property of another; obligations of the seller, including delivery, quality, title; obligations of the buyer, transfer of title; product liability; comparative reference made to American U.C.C. rules and U.N. Convention on the International Sale of Goods.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 210
Credit Weight: 3
Transcript Title: Legal Ethics & Professionalism
Calendar Title: Legal Ethics and Professionalism.
Description:
The course provides an overview of the ethical principles and rules that are relevant to one’s life as an expert in the law, including ethical requirements for the practice of law in Canada and abroad. The course is taught over the course of weekly meetings during the term, in addition to an intensive period during Focus Week.
Notes:
Prerequisite(s): PRAC 147D1/D2 or equivalent (transfer & advance standing students only).
Restriction(s): Limited to 2nd year Law students only. Not open to students who have completed PRAC 155D1/D2.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 220D1
Credit Weight: 3
Transcript Title: Property
Calendar Title: Property.
Description:
Integrated study of the foundations, principles and mechanisms of property law. Examination of common law, civil law and indigenous traditions in respect of property. Key relationships in respect of things and services as well as limitations on property rights.
Notes:
Students must register for both LAWG 220D1 and LAWG 220D2
No credit will be given for this course unless both LAWG 220D1 and LAWG 220D2 are successfully completed in consecutive term
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 220D2
Credit Weight: 3
Transcript Title: Property
Calendar Title: Property.
Description:
See LAWG 220D1 for description.
Notes:
Prerequisite: LAWG 220D1
No credit will be given for this course unless both LAWG 220D1 and LAWG 220D2 are successfully completed in consecutive term
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 273
Credit Weight: 3
Transcript Title: Family Law
Calendar Title: Family Law.
Description:
Study of conjugality and other close personal relationships as understood by law; parent-child relationships; dissolution of conjugal relationships; support rights
at the end of close personal relationships.
Droit de la famille.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 300
Credit Weight: 3
Transcript Title: Family Property Law
Calendar Title: Family Property Law.
Description:
Administration of and entitlement to wealth in conjugal and other close personal relationships, in common and civil law, with consideration of other legal traditions. Management and distribution of family resources through matrimonial regimes, marriage and domestic contracts, household mandates, common law trusts, legislative division of family assets, liberalities, social practice.
Notes:
Prerequisites: PRV1 144 or PRV4 144 or permission of instructor.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 316
Credit Weight: 3
Transcript Title: Private Int'l Law
Calendar Title: Private International Law.
Description:

Private Int'l Law.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 400
Credit Weight: 4
Transcript Title: Secured Transactions
Calendar Title: Secured Transactions.
Description:
Main incidents of law and suretyship and the law of real security in the common and civil traditions; security on land and commodities; nature of suretyship and effects of a contract among the creditor, debtor, surety and co-sureties; classifications and types of preferences, priorities and real security.
Secured Transactions.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 400D1
Credit Weight: 2
Transcript Title: Secured Transactions
Calendar Title: Secured Transactions.
Description:
Main incidents of law and suretyship and the law of real security in the common and civil traditions; security on land and commodities; nature of suretyship and effects of a contract among the creditor, debtor, surety and co-sureties; classifications and types of preferences, priorities and real security.

Notes:
Students must register for both LAWG 400D1 and LAWG 400D2.
No credit will be given for this course unless both LAWG 400D1 and LAWG 400D2 are successfully completed in consecutive terms.
LAWG 400D1 and LAWG 400D2 together are equivalent to LAWG 400.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Inactive

LAWG 400D2
Credit Weight: 2
Transcript Title: Secured Transactions
Calendar Title: Secured Transactions.
Description: See LAWG 400D1 for course description.
Notes: Prerequisite: LAWG 400D1
No credit will be given for this course unless both LAWG 400D1 and LAWG 400D2 are successfully completed in consecutive terms.
LAWG 400D1 and LAWG 400D2 together are equivalent to LAWG 400.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Inactive

LAWG 415
Credit Weight: 3
Transcript Title: Evidence (Civil Matters)
Calendar Title: Evidence (Civil Matters).
Description: Basic principles of evidence as applied and developed in the context of the civil process in all jurisdictions in Canada. Topics include: burden and standard of proof; relevance; the different kinds of evidence, i.e. documentary evidence; testimonial evidence (lay and opinion evidence), presumptions, admissions and real evidence; the principal rules of admissibility, including the hearsay rule and its exceptions.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 426
Credit Weight: 3
Transcript Title: Evidence (Criminal Matters)
Calendar Title: Evidence (Criminal Matters).
Description: An introduction to principles of evidence with a focus on admissibility in criminal matters. Topics include relevance, hearsay, opinion, character, similar facts, confessions and illegally-obtained evidence. The course begins with a discussion of burdens and standards of proof.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
LAWG 502
Credit Weight: 3
Transcript Title: Sustainable Development
Calendar Title: Sustainable Development.
Description: Foundations of sustainable development as a justice claim instantiated in law and policy. Topics of investigation include: theoretical (in)coherence; institutional architecture; principles of international and domestic law; the integration of social, economic, and environmental goods; inter-generational justice, precaution and uncertainty; adoption in soft law.
Notes: Restriction: Restricted to Law students.
Note: Non-Law students require permission from instructor & SAO.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 503
Credit Weight: 3
Transcript Title: Inter-American Human Rights
Calendar Title: Inter-American Human Rights.
Description: History and development of the Inter-American System, with a focus on the Inter-American Commission of Human Rights and Inter-American Court of Human Rights. Examination of their constitutive statutes. Survey of the mechanisms for redress provided by the Commission and the Court.
Notes: Restriction: Restricted to Law student. Non-Law students require permission from instructor & SAO
Language of instruction may not be English - depends on the instructor.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 504
Credit Weight: 3
Transcript Title: Death and Property
Calendar Title: Death and Property.
Description: An exploration, from a transsystemic perspective, of legal approaches to the transfer of property on death. Topics covered include: wills; estate administration; testamentary intention and its intersection with public order; survivorship; testamentary interpretation; intestacy; and family obligations and entitlements upon death, as these concepts arise within different legal traditions.
Notes: Prerequisite: PRV4 144
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 505
Credit Weight: 3
Transcript Title: Critical Engagements with HR
Calendar Title: Critical Engagements with Human Rights.
Description:
This seminar examines the connections between the theory and practice of human rights. It explores theoretical, ethical and strategic issues related to human rights discourse, advocacy and activism, and critically examines fact finding, monitoring and reporting, litigation, grass roots mobilization and media engagement in advancing human rights.

Notes:
Prerequisite(s): LAWG 517 or permission from instructor.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 506
Credit Weight: 3
Transcript Title: Advanced Civil Law Property
Calendar Title: Advanced Civil Law Property.
Description:
This course aims develop civil law reasoning and methodology through the study of certain concepts and constructs in civil law property. This course provides an opportunity for immersion in the culture, epistemology and practices of the Civil Law Tradition.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 507
Credit Weight: 3
Transcript Title: Critical Race Theory
Calendar Title: Critical Race Theory Advanced Seminar.
Description:
This course will explore the evolving contours of a theoretical approach to law that has developed both a substantive challenge to legal liberalism and critical legal studies, as well as an alternative literary style built on the use of narrative.

Notes:
Restrictions: Not open to students who have taken LAWG 517 or LAWG 521 when topic was "Critical Race Theory"

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 508D1
Credit Weight: 3
Transcript Title: Indigenous Constitutionalism
Calendar Title: Indigenous Constitutionalism.
Description:
Exploration of Anishinaabe legality, constitutionalism, and law. Logic and structure through elder¿s teachings, stories, material culture, and the works of myriad Indigenous writers and orators, including one view of Anishinaabe constitutionalism, what kinds of legal processes and institutions it supports, what kind of law these generate, and how that body of law changes through time and across places. Contemporary Indigenous law revitalization projects in Canada. How colonialism structures Indigenous-settler relationships on Turtle Island,
complicating prospects for Indigenous constitutional and legal revitalization.

Notes:
Students must register for both LAWG 508D1 and LAWG 508D2
No credit will be given for this course unless both LAWG 508D1 and LAWG 508D2 are successfully completed in consecutive terms
Restriction: Not open to students who have taken LAWG 518 or LAWG 519 when topic was "Indigenous Constitutionalism.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 508D2
Credit Weight: 3
Transcript Title: Indigenous Constitutionalism
Calendar Title: Indigenous Constitutionalism.
Description: See LAWG 508D1 for description.
Notes:
Prerequisite: LAWG 508D1
No credit will be given for this course unless both LAWG 508D1 and LAWG 508D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 509
Credit Weight: 3
Transcript Title: Indigenous Law Revitalization
Calendar Title: Indigenous Law Revitalization.
Description: Exploration of the prospect of Indigenous law revitalization in Canada today, including why it is that discussions about contemporary Indigenous law necessarily begin with revitalization, distinct analytical frameworks within which Indigenous law could be revitalized, specific Indigenous law revitalization issues, such as power, fundamentalism, and social transformation. Principles of the sharing circle.
Notes:
Restrictions: Not open to students who have taken LAWG 534 when the topic was "Indigenous Law Revitalization".

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 511
Credit Weight: 1
Transcript Title: Specialized Topics in Law 1
Calendar Title: Specialized Topics in Law 1.
Description: An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 512
Credit Weight: 1
Transcript Title: Specialized Topics in Law 2
Calendar Title: Specialized Topics in Law 2.
Description: An intensive study of a particular topic in public or private law.
Notes: Restriction: Must have completed first year Law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 513
Credit Weight: 2
Transcript Title: Specialized Topics in Law 3
Calendar Title: Specialized Topics in Law 3.
Description: An intensive study of a particular topic in public or private law.
Notes: Restriction: Must have completed first year Law.
**The last class will be on Wednesday, May 29th and there will be a final exam on Monday, June 17, 2019.
Legal Methodology Teaching 2
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 514
Credit Weight: 2
Transcript Title: Specialized Topics in Law 4
Calendar Title: Specialized Topics in Law 4.
Description: An intensive study of a particular topic in public or private law.
Notes: Restriction: Must have completed first year Law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 515
Credit Weight: 3
Transcript Title: Specialized Topics in Law 5
Calendar Title: Specialized Topics in Law 5.
Description: An intensive study of a particular topic in public or private law.
Notes: Restriction: Must have completed first year Law.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 516
Credit Weight: 3
Transcript Title: Specialized Topics in Law 6
Calendar Title: Specialized Topics in Law 6.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
ST#6: Class Actions

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 516D1
Credit Weight: 1.5
Transcript Title: Specialized Topics in Law 6
Calendar Title: Specialized Topics in Law 6.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
Students must register for both LAWG 516D1 and LAWG 516D2.
No credit will be given for this course unless both LAWG 516D1 and LAWG 516D2 are successfully completed in consecutive terms.
LAWG 516D1 and LAWG 516D2 together are equivalent to LAWG 516
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 516D2
Credit Weight: 1.5
Transcript Title: Specialized Topics in Law 6
Calendar Title: Specialized Topics in Law 6.
Description:
See LAWG 516D1 for course description.
Notes:
Prerequisite: LAWG 516D1
No credit will be given for this course unless both LAWG 516D1 and LAWG 516D2 are successfully completed in consecutive terms.
LAWG 516D1 and LAWG 516D2 together are equivalent to LAWG 516
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 517
Credit Weight: 3
Transcript Title: Specialized Topics in Law 7
Calendar Title: Specialized Topics in Law 7.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
**This course will be held on May 16, 17, 18, 19, 23, 24, 25, 26, 30, 31, June 1 & 2.

ST#7: Personal Injury Law

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 518

Credit Weight: 3

Transcript Title: Specialized Topics in Law 8

Calendar Title: Specialized Topics in Law 8.

Description: An intensive study of a particular topic in public or private law.

Notes: Restriction: Must have completed first year Law.

** This course will be held on May 28, 29, 30, 31 & June 1.

** Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

ST#8: Advanced Torts.

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 519

Credit Weight: 3

Transcript Title: Specialized Topics in Law 9

Calendar Title: Specialized Topics in Law 9.

Description: An intensive study of a particular topic in public or private law.

Notes: Prerequisite: Completion of first year of legal studies.

ST#9: Legal Profession

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 519D1

Credit Weight: 1.5

Transcript Title: Specialized Topics in Law 9

Calendar Title: Specialized Topics in Law 9.

Description: An intensive study of a particular topic in public or private law.

Notes: Students must register for both LAWG 519D1 and LAWG 519D2

No credit will be given for this course unless both LAWG 519D1 and LAWG 519D2 are successfully completed in consecutive terms.

LAWG 519D1 and LAWG 519D2 together are equivalent to LAWG 519

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 519D2

Credit Weight: 1.5

Transcript Title: Specialized Topics in Law 9

Calendar Title: Specialized Topics in Law 9.
**Description:**
For description see LAWG - 519D1.

**Notes:**
Prerequisite: LAWG 519D1
No credit will be given for this course unless both LAWG 519D1 and LAWG 519D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

**LAWG 520**
**Credit Weight:** 3

**Transcript Title:** Specialized Topics in Law 10

**Calendar Title:** Specialized Topics in Law 10.

**Description:**
An intensive study of a particular topic in public or private law.

**Notes:**
Prerequisite: Completion of first year of legal studies.

**LAWG 521**
**Credit Weight:** 3

**Transcript Title:** Student-Initiated Seminar 1

**Calendar Title:** Student-Initiated Seminar 1.

**Description:**
Supervised student-initiated seminar.

**Notes:**
Restriction: Not open to first year Law students.

**LAWG 522**
**Credit Weight:** 3

**Transcript Title:** Student-Initiated Seminar 2

**Calendar Title:** Student-Initiated Seminar 2.

**Description:**
Supervised student-initiated seminar.

**Notes:**
Restriction: Not open to first year Law students.

**LAWG 523**
**Credit Weight:** 3

**Transcript Title:** Tax Practice Seminar

**Calendar Title:** Tax Practice Seminar.

**Description:**
Examination of tax practice from a theoretical and practical perspective in five experiential modules featuring local practitioners, including tax planning for families, analysis of application of general anti-avoidance rules to planned
transactions, analysis of tax aspects of new technologies.

Notes:
Not open to students who have taken LAWG 537 when topic was "Tax practice Seminar".

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 530
Credit Weight: 3
Transcript Title: Specialized Topics in Law 11
Calendar Title: Specialized Topics in Law 11.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST11: Anatomy of a Murder Trial
ST11: Anatomy of a Murder Trial.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 531
Credit Weight: 3
Transcript Title: Specialized Topics in Law 12
Calendar Title: Specialized Topics in Law 12.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST12: Criminal Trial Advocacy
ST12: Criminal Trial Advocacy
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 532
Credit Weight: 3
Transcript Title: Specialized Topics in Law 13
Calendar Title: Specialized Topics in Law 13.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST13: Securities Regulation Practice
ST13: Securities Regulation Practice.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 533
Credit Weight: 3
Transcript Title: Specialized Topics in Law 14
Calendar Title: Specialized Topics in Law 14.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST14: Profilage Racial
ST14: Profilage racial
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 534
Credit Weight: 3
Transcript Title: Specialized Topics in Law 15
Calendar Title: Specialized Topics in Law 15.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.

LAWG 535
Credit Weight: 3
Transcript Title: Specialized Topics in Law 16
Calendar Title: Specialized Topics in Law 16.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST16: Public Health Law and Policy

LAWG 536
Credit Weight: 3
Transcript Title: Specialized Topics in Law 17
Calendar Title: Specialized Topics in Law 17.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST17: Internet Law

LAWG 537
Credit Weight: 3
Transcript Title: Specialized Topics in Law 18
Calendar Title: Specialized Topics in Law 18.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST18: Intro to Corporate Transactions
Credit Weight: 3
Transcript Title: Specialized Topics in Law 19
Calendar Title: Specialized Topics in Law 19.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 539
Credit Weight: 3
Transcript Title: Specialized Topics in Law 20
Calendar Title: Specialized Topics in Law 20.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
Corporate Governance
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 550
Credit Weight: 1
Transcript Title: Law Focus Week Workshop 1
Calendar Title: Law Focus Week Workshop 1.
Description:
The course is taught in an intensive period during Focus Week, and offers an opportunity to critically analyze and develop relevant skills for experts in the law, such as negotiation, mediation, project management, community mobilization, policy analysis, empirical research, entrepreneurship, financial analysis, and the like.
Notes:
Restriction(s): Students may not register in more than one course taught during a given Focus Week, but may take more than one Focus Week Workshop over the course of their studies.
** Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Transaction Diligence Simulation
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 551
Credit Weight: 1
Transcript Title: Law Focus Week Workshop 2
Calendar Title: Law Focus Week Workshop 2.
Description:
The course is taught in an intensive period during Focus Week, and offers an opportunity to critically analyze and develop relevant skills for experts in the law, such as negotiation, mediation, project management, community mobilization, policy analysis, empirical research, entrepreneurship, financial analysis, and the
like.

Notes:
Restriction(s): Students may not register in more than one course taught during a given Focus Week, but may take more than one Focus Week Workshop over the course of their studies.

Build Professional Success w Emotional Intelligence Build Professional Success w Emotional Intellegence

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 552
Credit Weight: 1
Transcript Title: Law Focus Week Workshop 3
Calendar Title: Law Focus Week Workshop 3.
Description:
The course is taught in an intensive period during Focus Week, and offers an opportunity to critically analyze and develop relevant skills for experts in the law, such as negotiation, mediation, project management, community mobilization, policy analysis, empirical research, entrepreneurship, financial analysis, and the like.

Notes:
Restriction(s): Students may not register in more than one course taught during a given Focus Week, but may take more than one Focus Week Workshop over the course of their studies.

LAWG 553
Credit Weight: 1
Transcript Title: Law Focus Week Workshop 4
Calendar Title: Law Focus Week Workshop 4.
Description:
The course is taught in an intensive period during Focus Week, and offers an opportunity to critically analyze and develop relevant skills for experts in the law, such as negotiation, mediation, project management, community mobilization, policy analysis, empirical research, entrepreneurship, financial analysis, and the like.

Notes:
Restriction(s): Students may not register in more than one course taught during a given Focus Week, but may take more than one Focus Week Workshop over the course of their studies.

LAWG 554
Credit Weight: 1
Transcript Title: Law Focus Week Workshop 5
Calendar Title: Law Focus Week Workshop 5.
Description:
The course is taught in an intensive period during Focus Week, and offers an opportunity to critically analyze and develop relevant skills for experts in the
law, such as negotiation, mediation, project management, community mobilization, policy analysis, empirical research, entrepreneurship, financial analysis, and the like.

Notes:
Restriction(s): Students may not register in more than one course taught during a given Focus Week, but may take more than one Focus Week Workshop over the course of their studies.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 555
Credit Weight: 1
Transcript Title: Law Focus Week Workshop 6
Calendar Title: Law Focus Week Workshop 6.
Description:
The course is taught in an intensive period during Focus Week, and offers an opportunity to critically analyze and develop relevant skills for experts in the law, such as negotiation, mediation, project management, community mobilization, policy analysis, empirical research, entrepreneurship, financial analysis, and the like.

Notes:
Restriction(s): Students may not register in more than one course taught during a given Focus Week, but may take more than one Focus Week Workshop over the course of their studies.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 560
Credit Weight: 3
Transcript Title: Law Innovation
Calendar Title: Law Innovation.
Description:
This course provides an introduction to the concept of innovation, its role in the economy, the institutions that foster or hinder it, the laws that promote or undermine it, and its historical, psychological and social context. Through a combination of interactive lectures students will explore the complexity of the subject and its connections with law, the economy, history, sciences and technology and government and firm policies. In addition, through small group projects, students will deploy and extend their knowledge by applying it to a particular proposed innovation.

Notes:
Restriction(s): Not open to non-law students.
Not open to students who have taken LAWG 537:Specialized Topics in Law 18 (Innovation)

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 561
Credit Weight: 3
Transcript Title: Privacy Law
Calendar Title: Privacy Law.
Description:
Overview of the rapidly-growing area of information privacy law with a focus on
the digital environment, including domestic and international regulations, case law, legislation, and recent public policy developments pertaining to the collection, storage, and dissemination of personal information. Three kinds of relationships: among individuals, between individuals and companies, and between individuals and the State.

Notes:
Restrictions: Not open to students who have taken LAWG 530 when the topic was "Privacy Law".
Privacy Law. Privacy Law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 562
Credit Weight: 3
Transcript Title: Regulating AI
Calendar Title: Regulating Artificial Intelligence.
Description:

Notes:
Restrictions: Not open to students who have taken LAWG 530 or LAWG 539 when the topic was "Regulating Artificial Intelligence".
Regulating AI. Regulating AI.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 570
Credit Weight: 3
Transcript Title: Innovation for Non-LawStudents
Calendar Title: Innovation for Non-Law Students.
Description:
This course provides an introduction to the concept of innovation, its role in the economy, the institutions that foster or hinder it, the laws that promote or undermine it, and its historical, psychological and social context. Through a combination of interactive lectures students will explore the complexity of the subject and its connections with law, the economy, history, sciences and technology and government and firm policies. In addition, through small group projects, students will deploy and extend their knowledge by applying it to a particular proposed innovation.

Notes:
Restrictions: Not open to Law Students
Not open to students who have taken LAWG 537: Specialized Topics in Law 18 (Innovation)
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 580
Credit Weight: 3
Transcript Title: Women and Constitutions
Calendar Title: Women and Constitutions.
Description:
Examination of how constitutions shape women's rights. Taking a comparative constitutional law approach, exploration of constitutional strategies for
promoting gender equality, focusing on selected constitutional contexts including Canada, Asia, Africa and the Middle East. Analyzing the debates that shape constitutional jurisprudence. Topics include constitutional rights in the areas of social diversity, equality, the family and participatory constitution-making. Exploring significant developments in the field of feminist constitutionalism, how constitutional law is both a powerful force in the construction of women’s subordination and a site of feminist struggle.

Notes:
Restriction: Not open to students who have taken LAWG 516 or LAWG 518 when the topic was "Women and Constitutions".

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 581
Credit Weight: 3

Transcript Title: Health Care Delivery & the Law

Calendar Title: Health Care Delivery and the Law.

Description:
The study of legal issues raised in medicine and healthcare with a particular focus on the relationship between patient and healthcare professionals.

Notes:
Restrictions: Not open to students who have taken LAWG 581, CMPL 642, LAWG 534, or LAWG 539 when the topic was "Law and Healthcare".

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 582
Credit Weight: 3

Transcript Title: Disability Law and Policy

Calendar Title: Disability Law and Policy.

Description:
Introduction to fundamental issues in disability law and policy, exploring who is the 'disabled subject', what is disability, and what expectations of 'normalcy' are implicit in approaching some questions in the field. Critical examination of legal concepts used in disability law and exploration of the difficulties that people with disabilities face in relation to access to justice, education and healthcare, as well as other controversial issues. Exploration of the evolving landscape of disability law and the challenges it poses to policy makers.

Notes:
Restrictions: Not open to students who have taken LAWG 533 when the topic was "Disability Law".

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

LAWG 583
Credit Weight: 3

Transcript Title: Public Health Law and Policy

Calendar Title: Public Health Law and Policy.

Description:
Definition and foundations of public health law. Introduction to public health methods regarding risk assessment, causation and the precautionary principle, and their interaction with legal norms. Examination of the powers and duties of the state to protect population health as well as the limits to state interventions pursuing the common good. Consideration of tools available to public health
policy-makers, including nudging, regulation, prohibition, and litigation. Contemplation of the effectiveness of the criminal law and of private law in furthering public health goals. Analysis of specific case studies in public health law (e.g., infectious disease control, pandemic management, nutrition, tobacco, cannabis).

Notes:
Restrictions: Not open to students who have taken LAWG 516 or LAWG 535 when topic was "Public Health Law and Policy".

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 585
Credit Weight: 3
Transcript Title: Intl Investment Disputes
Calendar Title: International Investment Disputes.
Description:
Examination of the basic principles of international investment law and investor-state dispute settlement (ISDS). Focus on substantive obligations, such as the obligation to afford fair and equitable treatment and not to discriminate on the basis of nationality, found in bilateral investment treaties (BITs), as well as on customary international law protections. Introduction to ISDS, including arbitration at the International Centre for the Settlement of Investment Disputes, as well as proposals such as the multilateral investment court championed by the European Union. The environmental and social issues surrounding international legal protection of foreign investment and proposals for modifying it.

Notes:
Restrictions: Not open to students who have taken LAWG 536 when the topic was "International Investment Disputes".

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 601
Credit Weight: 1.5
Transcript Title: Communication 1
Calendar Title: Communication 1.
Description:
Key writing and research strategies for graduate students in law.

Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active

LAWG 602
Credit Weight: 1.5
Transcript Title: Communication 2
Calendar Title: Communication 2.
Description:
Key writing and research strategies for graduate students in law.

Notes:
Prerequisite(s): LAWG 601.

Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active
LAWG 625
Credit Weight: 3
Transcript Title: Legal Education Seminar
Calendar Title: Legal Education Seminar.
Description: A review of the aims, objectives, methods and techniques of legal education, including design and execution of the curriculum; an inquiry into law's ontology and legal epistemology; an examination of practical issues (attending graduate school, selecting a supervisor, types of legal research and employment as a law teacher).
Notes: Note: Open to graduate students only. Not open to undergraduate students and students who have taken LAWG 525.
Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active

LAWG 659
Credit Weight: 3
Transcript Title: Interdisc Sem in European Stud
Calendar Title: Interdisciplinary Seminar in European Studies.
Description: Interdisciplinary seminar on a theme relevant to the study of Europe.
Notes: Restriction: Only open to students in European Studies Option.
Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active

LAWG 701
Credit Weight: 0
Transcript Title: Comprehensive Exam - Law
Calendar Title: Comprehensive Exam - Law.
Description: An examination comprised of written and oral components that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Restriction: D.C.L. graduate students in Law.
Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active

LAWG 702
Credit Weight: 2
Transcript Title: Legal Res Methodology for DCL
Calendar Title: Legal Research Methodology for DCL.
Description: Instruction in legal scholarship and research methodology, including proposal development and electronic legal research geared towards DCL students.
Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active

LAWG 703
**Credit Weight:** 0  
**Transcript Title:** LitReview, Analysis & Proposal  
**Calendar Title:** Literature Review, Analysis and Proposal.  
**Description:** Submission of final subject, methodology and bibliography to committee for feedback. Prepare Analysis of literature (approx. 15,000 words covering theory, methodology, literature review/critical analysis, and gap(s) in the literature). To be completed by the end of the first year (DCL 2) of the DCL program.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Law  
**Status (catalog level):** Active

**LAWG 704**  
**Credit Weight:** 0  
**Transcript Title:** DCL Research Seminar 1  
**Calendar Title:** DCL Research Seminar 1.  
**Description:** Develop theoretical perspectives and orientation of thesis. Written and oral presentation of DCL thesis research by the DCL candidate to the candidate’s supervisor, thesis advisory committee and other interested individuals. Must be completed by end of third year (DCL 4).  
**Notes:** Restrictions: Not open to students who have taken LAWG 702  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Law  
**Status (catalog level):** Active

**LAWG 705**  
**Credit Weight:** 0  
**Transcript Title:** DCL Research Seminar 2  
**Calendar Title:** DCL Research Seminar 2.  
**Description:** Students need to demonstrate significant development of their research project, including development of theoretical perspectives and orientation of thesis. Written and oral presentation of DCL thesis research by the DCL candidate to the candidate’s supervisor, thesis advisory committee and other interested individuals. Must be completed by 4th year (DCL 5).  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Law  
**Status (catalog level):** Active
LEEL 369
Credit Weight: 3
Transcript Title: Labour Law
Calendar Title: Labour Law.
Description:
An introduction to Canadian labour law including collective bargaining, arbitration and industrial relations generally. Emphasis on the Canada Labour Code, the Quebec Labour Code and related statutes.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LEEL 570
Credit Weight: 3
Transcript Title: Employment Law
Calendar Title: Employment Law.
Description:
Survey of the employment contract including hiring practices, dismissals, duties of the employer and the employee including loyalty, non-competition, impact of statutes (Labour Standards Act, Charter of the French Language, etc...) and recourses. The purpose of the course is to deal with non-collective agreement employment contracts, which govern most of the working population.
Notes:
Restriction: Not open to students who have taken LEEL 470 Employment Law. Employment Law.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LEEL 571
Credit Weight: 3
Transcript Title: Transnational Labour Law
Calendar Title: Transnational Labour Law.
Description:
Study of the emergence of international regulation of labour by tripartite actors within the framework of the International Labour Organization; assessment of the challenge of liberalization and competing understandings of development for labour regulation; Engagement with emerging governance paradigms and alternative understandings of transnational ordering for transnational labour law.
Notes:
Not open to students who have taken LAWG 515 when topic was "Transnational Futures of International Labour Law" or LAWG 533 when topic was "International Labour Law".
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LEEL 582
Credit Weight: 3
Transcript Title: Law & Poverty
Calendar Title: Law and Poverty.
Description:
The differential character of the law concerning rich and poor as reflected in case studies in criminal law, consumer law, housing law, welfare law. The "delivery systems" available for legal services to the poor and alternative organizational models for legal services; the role of law schools, government and the professional bar.
Notes:
Restriction: Not open to students who have taken LEEL 482
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
LIBA 202
Credit Weight: 3
Transcript Title: Introduction to Liberal Arts
Calendar Title: Introduction to Liberal Arts.
Description:
An introduction to the compass and significance of a Liberal Arts education, focusing on contemporary developments and challenges in the humanities. It considers the contribution of a range of disciplines and approaches across a wide range of linguistic traditions, geographical areas and time periods and pays particular attention to the global dimension of contemporary humanistic culture.
Notes:
Restriction(s): Only open to students in the Liberal Arts program.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LIBA 395
Credit Weight: 3
Transcript Title: Individual Reading Course
Calendar Title: Individual Reading Course.
Description:
Individual reading course in any topic pertinent to Liberal Arts as approved by the Director of the Liberal Arts program.
Notes:
Prerequisite(s): LIBA 202: Introduction to Liberal Arts  Minimum Grade or Test Scores : C
Restriction(s): Registration in this course is subject to the approval of the Director of the Liberal Arts Program.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LIBA 402
Credit Weight: 3
Transcript Title: Seminar in Liberal Arts
Calendar Title: Seminar in Liberal Arts.
Description:
Readings and discussions on liberal arts.
Notes:
Restriction: Open only to U2 and U3 students
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LIBA 490
Credit Weight: 3
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description:
Under the direction of a supervisor, students research and complete an honours thesis on an approved subject in Liberal Arts.
Notes:
Restriction(s): Only open to students enrolled in the Liberal Arts Honours program. Instructor's Approval Required.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
LING 199
Credit Weight: 3
Transcript Title: FYS: Language and Mind
Calendar Title: First Year Seminar: Language and Mind.
Description:
This fast paced course introduces students to challenges faced by scientists who study how language is represented in the human brain.
Notes:
Fall
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS.
Note: Students who register for more than one FYS will be obliged to withdraw from all but one of them.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 200
Credit Weight: 3
Transcript Title: Intro to the Study of Language
Calendar Title: Introduction to the Study of Language.
Description:
General interest course; intended for students in all fields. Topics include: linguistic competence vs. performance, language and the brain, language acquisition, sociolinguistics, historical linguistics, language universals, pragmatics.
Notes:
Fall and Winter
No prerequisite
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 201
Credit Weight: 3
Transcript Title: Introduction to Linguistics
Calendar Title: Introduction to Linguistics.
Description:
General introduction to linguistics, the scientific study of human language. Covers the core theoretical subfields of linguistics: phonetics, phonology, morphology, syntax, and semantics. Also provides background on other subfields including sociolinguistics, pragmatics, historical linguistics, linguistic variation, and language acquisition.
Notes:
Fall and Winter
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 210
Credit Weight: 3
Transcript Title: Introduction to Speech Science
Calendar Title: Introduction to Speech Science.
Description:
The course covers key concepts of speech science, including phonetics (acoustics, speech perception and production), fundamentals in the study of speech processing, speech development, and speech disorders, and introduces some basic methodologies
of the field.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 211
Credit Weight: 3
Transcript Title: Intro to Indigenous Languages
Calendar Title: Introduction to Indigenous Languages.
Description:
Explores the Indigenous languages of North America, including their histories, linguistic properties, cultural settings, and key social issues facing them in the 21st century. Many different aspects of North American languages will be discussed including sound systems, grammatical classification, expression of time and space, and specialized linguistic phenomena like polysynthesis and reduplication. Social contexts of language will include performance, speech games, language change, language endangerment, and government policies.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 260
Credit Weight: 3
Transcript Title: Meaning in Language
Calendar Title: Meaning in Language.
Description:
A hands-on introduction to the strategies that natural languages use to convey meaning. Requiring no previous background in linguistics, the course surveys fundamental properties of word and sentence meaning and their interdependence with context. It provides an overview of the grammatical mechanisms that languages employ to construct the literal meanings of sentences from word meanings, explores how meanings are anchored to real life situations, and analyzes how meanings are routinely enriched in context by language users to convey more than what is literally expressed.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 315
Credit Weight: 3
Transcript Title: Languages of the World
Calendar Title: Languages of the World.
Description:
An introduction to the study of linguistics through a look at the world's languages. Topics covered will include linguistic universals and language diversity; language endangerment, death, and revitalization; and the relationship between language and thought.
Notes:
Prerequisite: LING 201
Restriction: Not open to students who have taken LING 215.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 320
Credit Weight: 3
Transcript Title: Sociolinguistics 1
Calendar Title: Sociolinguistics 1.
Description:
A survey of language in its social context. The main focus will be on the influence of social factors like age, gender, social class and speech style on linguistic variation and change. Contact amongst languages (e.g. in Montreal) and the birth and death of languages will also be discussed.
Notes:
Winter
Prerequisite: LING 201.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 325
Credit Weight: 3
Transcript Title: Canadian English
Calendar Title: Canadian English.
Description:
A diverse, interdisciplinary set of perspectives on the English language in Canada, including its status as one of many Canadian languages and as the expressive medium of English-Canadian culture, the history of English-speaking settlement in Canada, and linguistic analysis of its main distinguishing features, regional variation and changes in progress.
Notes:
Prerequisite: LING 200 or LING 201 or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 330
Credit Weight: 3
Transcript Title: Phonetics
Calendar Title: Phonetics.
Description:
Transcription, identification, and production of speech sounds. Introduction to the acoustic properties of speech sounds, acoustic analysis of speech, and auditory phonetics.
Notes:
Winter
Prerequisite: LING 201
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 331
Credit Weight: 3
Transcript Title: Phonology 1
Calendar Title: Phonology 1.
Description:
Introduction to phonological theory and analysis.
Notes:
Fall
Prerequisite: LING 330.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active
LING 345
Credit Weight: 3
Transcript Title: From Natural Lang to Data Sci
Calendar Title: From Natural Language to Data Science.
Description:
Introduction to language data science, including theoretical approaches and practical skills. Processing, searching, and querying text data; making sense of large corpora; modelling and interpreting psycholinguistic and historical language data; building models of sequences of words; computing similarity between languages; information retrieval and extraction; question answering; and ethics.
Notes:
Prerequisites: COMP 250, and MATH 240; or permission of the instructor.
Restriction: Not open to students who have taken or are taking COMP 345.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 350
Credit Weight: 3
Transcript Title: Ling Aspects of Bilingualism
Calendar Title: Linguistic Aspects of Bilingualism.
Description:
Linguistic competence and performance in bilinguals: the organization of the bilingual's grammar. Syntactic constraints on code mixing: How many grammars are involved? Unidirectional and bidirectional grammatical interference. Structural distance between genetically related and unrelated languages and its effect on the organization of the bilingual's grammar.
Notes:
Winter
Prerequisite: LING 200 or LING 201
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 351
Credit Weight: 3
Transcript Title: Psycholinguistics
Calendar Title: Psycholinguistics.
Description:
Introduction to experimental methods in linguistics, focusing on how linguistic hypotheses can be tested experimentally, and how evidence from speech and language processing can inform linguistic theory.
Notes:
Prerequisites: LING 201
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 355
Credit Weight: 3
Transcript Title: Language Acquisition 1
Calendar Title: Language Acquisition 1.
Description:
A critical study of the application of linguistic theory and description to first and second language learning. Topics include: the acquisition of sounds, syntax
and word meanings; acquisition strategies; properties of the input; theories of first and second language acquisition.

Notes:

Fall

Prerequisite: LING 201.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 360
Credit Weight: 3
Transcript Title: Introduction to Semantics
Calendar Title: Introduction to Semantics.
Description:
Introduction to the rudiments of semantics, focusing on those aspects of meaning that are invariant across contexts and the ways in which the meaning of a complex expression is determined by the meanings of its constituents.

Notes:

Fall

Prerequisites: LING 201 and PHIL 210
Restriction: Not open to students who have taken LING 370.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 371
Credit Weight: 3
Transcript Title: Syntax 1
Calendar Title: Syntax 1.
Description:
Introduction to the study of generative syntax of natural languages, emphasizing basic concepts and formalism: phrase structure rules, transformations, and conditions on rules.

Notes:

Winter

Prerequisite: LING 201.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 410
Credit Weight: 3
Transcript Title: Structure of a Specific Lang 1
Calendar Title: Structure of a Specific Language 1.
Description:
Application and refinement of analytical methods in phonology, morphology, and syntax to phenomena from a specific language. One focus will be the identification of empirical generalizations which form the basis for the development of the theory. The language of study will vary from year to year.

Notes:

Fall

Prerequisites: LING 330 and LING 331 and LING 371, or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 411
Credit Weight: 3
Transcript Title: Structure of an Indigenous Language
Calendar Title: Structure of an Indigenous Language.
Description: Investigates linguistic and grammatical properties in an Indigenous language or language family of North America. Topics covered include: phonetics, phonology, morphology, syntax, and semantics; historical and comparative research; as well as topics at the intersection of language and culture. The course engages with primary literature on the language of study.
Notes: Prerequisites: LING 331 and LING 371 or permission of instructor. The language or language family of study will vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 415
Credit Weight: 3
Transcript Title: Field Methods of Linguistics
Calendar Title: Field Methods of Linguistics.
Description: Elicitation, recording and analysis of linguistic data under simulated field conditions; consideration of typical problems confronting the field analyst, preparation of a descriptive statement.
Symbols: ALTY - Taught in alternate years
Notes: Fall
Prerequisites: LING 330, LING 331 and LING 371.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 417
Credit Weight: 3
Transcript Title: Topics at the Interfaces 1
Calendar Title: Topics at the Interfaces 1.
Description: Topics relevant to a linguistic interface, rotating between syntax/semantics interface and morphology/syntax interface.
Notes: Winter
Prerequisites: LING 360 and LING 371 and permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 418
Credit Weight: 3
Transcript Title: Topics at the Interfaces 2
Calendar Title: Topics at the Interfaces 2.
Description: Topics relevant to a linguistic interface, rotating between phonology/syntax interface and morphology/phonology interface.
Notes: Fall
Prerequisites: LING 331, LING 371 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 419
Credit Weight: 3
Transcript Title: Ling Theory & its Foundations
Calendar Title: Linguistic Theory and its Foundations.
Description:
Change linguistics underwent at the end of the 1950's both in how it conceived of itself and in the methods it used, including the philosophical change and the formal and mathematical innovations in syntax and morphology.
Notes:
Winter
Prerequisites: Two of LING 331, LING 360, LING 371, LING 440.

LING 425
Credit Weight: 3
Transcript Title: Historical Linguistics
Calendar Title: Historical Linguistics.
Description:
An examination of how languages change over time and the methods that allow us to study linguistic history. Topics include: types of language change (sound change, analogy, etc.) linguistic reconstruction, the origins of modern languages.
Notes:
Fall
Prerequisites: LING 330 and LING 320 or permission of instructor.

LING 440
Credit Weight: 3
Transcript Title: Morphology
Calendar Title: Morphology.
Description:
An introduction to the study of the internal structure of words. Topics will include the different ways words are formed in languages, how sound changes take place within words, how words are used in sentences.
Notes:
Fall
Prerequisite: LING 330 and LING 371, or permission of the instructor

LING 445
Credit Weight: 3
Transcript Title: Computational Linguistics
Calendar Title: Computational Linguistics.
Description:
Introduction to foundational ideas in computational linguistics and natural language processing. Topics include formal language theory, probability theory,
estimation and inference, and recursively defined models of language structure. Emphasis on both the mathematical foundations of the field as well as how to use these tools to understand human language.

Notes:
Prerequisite(s): COMP 250 and MATH 240 or permission of instructor.
Restriction(s): Not open to students who have taken or are taking COMP 445.
Students who are taking or have taken both COMP 330 and COMP 424 are advised to take COMP 550 in place of COMP 445/LING 445.
This is a double-prefix course and is identical in content with COMP 445. Some background in linguistics at the level of LING 201 is desirable, though not critical.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 450
Credit Weight: 3
Transcript Title: Laboratory Linguistics
Calendar Title: Laboratory Linguistics.
Description:
Students with a background in some core area(s) of linguistics will learn how to test linguistic theories in the lab. The focus is on learning by doing: Students will design and carry out their own experiments, and will learn some basic statistics to evaluate them.

Notes:
Winter
Prerequisites: LING 201 and either LING 330 or LING 331, or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 451
Credit Weight: 3
Transcript Title: Acquisition of Phonology
Calendar Title: Acquisition of Phonology.
Description:
Exploration of the development of prosodic and segmental structure in children, with an emphasis on current theoretically-informed work in this area.
Symbols: ALTY - Taught in alternate years

Notes:
Winter
Prerequisite: LING 331; a course in language acquisition highly recommended.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 455
Credit Weight: 3
Transcript Title: Second Language Syntax
Calendar Title: Second Language Syntax.
Description:
The nature of the linguistic knowledge acquired by second language learners, focusing on description and explanation of second language syntax and morphology.
Symbols: ALTY - Taught in alternate years

Notes:
Winter
Prerequisite: LING 301 or LING 371.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Linguistics  
**Status** (catalog level): Active

**LING 460**  
**Credit Weight:** 3  
**Transcript Title:** Semantics 2  
**Calendar Title:** Semantics 2.  
**Description:**  
This course elaborates on the rudiments of natural language semantics developed in LING 360.  
**Notes:**  
Winter  
Prerequisite: LING 360  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Linguistics  
**Status** (catalog level): Active

**LING 461**  
**Credit Weight:** 3  
**Transcript Title:** Formal Methods in Linguistics  
**Calendar Title:** Formal Methods in Linguistics.  
**Description:**  
This course presents the formal methods used in the study of language (namely, the theories of sets, relations, functions, partial orders, and lattices, as well as the principle of mathematical induction).  
**Notes:**  
Winter  
Prerequisites: LING 360 or PHIL 210 or permission of instructor.  
Restriction: Not open to students who have taken LING 560 or MATH 240.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Linguistics  
**Status** (catalog level): Active

**LING 480**  
**Credit Weight:** 6  
**Transcript Title:** Honours Thesis  
**Calendar Title:** Honours Thesis.  
**Description:**  
Honours thesis.  
**Notes:**  
LING 480 is equivalent to LING 480D1 and LING 480D2 together.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Linguistics  
**Status** (catalog level): Active

**LING 480D1**  
**Credit Weight:** 3  
**Transcript Title:** Honours Thesis  
**Calendar Title:** Honours Thesis.  
**Description:**  
Honours thesis.  
**Notes:**  
Students must register for both LING 480D1 and LING 480D2.  
No credit will be given for this course unless both LING 480D1 and LING 480D2 are
successfully completed in consecutive terms
LING 480D1 and LING 480D2 together are equivalent to LING 480.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 480D2**
**Credit Weight:** 3
**Transcript Title:** Honours Thesis
**Calendar Title:** Honours Thesis.

**Description:**
See LING 480D1 for course description.

**Notes:**
Prerequisite: LING 480D1.
No credit will be given for this course unless both LING 480D1 and LING 480D2 are successfully completed in consecutive terms
LING 480D1 and LING 480D2 together are equivalent to LING 480.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 480N1**
**Credit Weight:** 3
**Transcript Title:** Honours Thesis
**Calendar Title:** Honours Thesis.

**Description:**
Honours thesis.

**Notes:**
Students must also register for LING 480N2.
No credit will be given for this course unless both LING 480N1 and LING 480N2 are successfully completed in the same calendar year.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 480N2**
**Credit Weight:** 3
**Transcript Title:** Honours Thesis
**Calendar Title:** Honours Thesis.

**Description:**
See LING 480N1 for course description.

**Notes:**
Prerequisite: LING 480N1
No credit will be given for this course unless both LING 480N1 and LING 480N2 are successfully completed in a twelve month period
LING 480N1 and LING 480N2 are together equivalent to LING 480

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 481**
**Credit Weight:** 3
**Transcript Title:** Joint Honours Thesis
**Calendar Title:** Joint Honours Thesis.

**Description:**
Research and writing of the Joint Honours thesis on an approved subject.

**Administering Faculty:** Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 481D1
Credit Weight: 1.5
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description: Research and writing of the Joint Honours thesis on an approved subject.
Notes: Students must register for both LING 481D1 and LING 481D2. No credit will be given for this course unless both LING 481D1 and LING 481D2 are successfully completed in consecutive terms. LING 481D1 and LING 481D2 together are equivalent to LING 481
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 481D2
Credit Weight: 1.5
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description: Research and writing of the Joint Honours thesis on an approved subject.
Notes: Prerequisite: LING 481D1. No credit will be given for this course unless both LING 481D1 and LING 481D2 are successfully completed in consecutive terms. LING 481D1 and LING 481D2 together are equivalent to LING 481
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 483
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description: Intensive study of a selected field or topic.
Notes: Fall or Winter. Restriction: Permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 484
Credit Weight: 3
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description: Intensive study of a selected field or topic.
Notes: Fall or Winter. Restriction: Permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 485
Credit Weight: 3
Transcript Title: Special Topics 3
Calendar Title: Special Topics 3.
Description:
Intensive study of a selected field or topic.
Notes:
Fall or Winter
Prerequisite: LING 331 or LING 370 or LING 371 or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 488
Credit Weight: 3
Transcript Title: Independent Study 1
Calendar Title: Independent Study 1.
Description:
Independent study of a selected field or topic.
Notes:
Fall or Winter
Restriction: Permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 489
Credit Weight: 3
Transcript Title: Independent Study 2
Calendar Title: Independent Study 2.
Description:
Independent study of a selected field or topic.
Notes:
Fall or Winter
Restriction: Permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 499
Credit Weight: 3
Transcript Title: Internship: Linguistics
Calendar Title: Internship: Linguistics.
Description:
Internship with a host institution or organization.
Notes:
Restrictions: Limited to U2 and U3 students, with a minimum CGPA of 2.7, and permission of the department.

Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 520
Credit Weight: 3
Transcript Title: Sociolinguistics 2
Calendar Title: Sociolinguistics 2.
Description:
A seminar on variationist "micro-sociolinguistics", including a survey of the most important primary literature on sociolinguistic variation and introduction to sociolinguistic fieldwork.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisite: LING 320 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 521
Credit Weight: 3
Transcript Title: Dialectology
Calendar Title: Dialectology.
Description:
An introduction to the theory and methods of dialectology (the study of regional variation in language) with an emphasis on connections with linguistic theory. Students will also acquire a practical knowledge of major differences among dialects of English, and will gain hands-on experience in the planning, implementation and analysis of a dialect survey.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisites: LING 330 and LING 320.
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 530
Credit Weight: 3
Transcript Title: Acoustic Phonetics
Calendar Title: Acoustic Phonetics.
Description:
This course will introduce students to the fundamental principles of acoustic phonetics, focusing on an acoustic model of sound production by the vocal tract and the principles and techniques of acoustic analysis of speech. Classes will be a mix of lectures and hands-on lab-based activities and class discussions.
Notes:
Fall
Prerequisites: LING 201 and LING 330 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 531
Credit Weight: 3
Transcript Title: Phonology 2
Calendar Title: Phonology 2.
Description:
Exploration of current issues in phonology.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisite: LING 331 or permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 565
Credit Weight: 3
Transcript Title: Pragmatics
Calendar Title: Pragmatics.
Description:
Study of the relationship between language and its contexts of use. Topics to be examined include deixis, presupposition and implicature.
Notes:
Fall
Prerequisites: LING 360 and PHIL 210 or permission of the instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 571
Credit Weight: 3
Transcript Title: Syntax 2
Calendar Title: Syntax 2.
Description:
This course extends and refines the theory of grammar developed in LING 371, while introducing some primary literature and developments (in certain modules of the grammar such as phrase structure, wh-movement, and binding).
Notes:
Fall
Prerequisite: LING 371
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 583
Credit Weight: 3
Transcript Title: Special Topics 4
Calendar Title: Special Topics 4.
Description:
Intensive study of a selected field or topic.
Notes:
Fall
Prerequisite: Permission of instructor
Administrating Faculty: Faculty of Arts
Teaching Department: Linguistics
Status (catalog level): Active

LING 601
Credit Weight: 3
Transcript Title: Graduate Research Seminar 1
Calendar Title: Graduate Research Seminar 1.
Description:
A seminar dedicated to graduate student research and professional training.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 602
Credit Weight: 3
Transcript Title: Graduate Research Seminar 2
Calendar Title: Graduate Research Seminar 2.
Description: A seminar dedicated to graduate student research and professional training.
Notes:

LING 605
Credit Weight: 3
Transcript Title: M.A. Research 1
Calendar Title: M.A. Research 1.
Description: A fundamental course in which M.A. students learn how to do independent research.

LING 606
Credit Weight: 3
Transcript Title: M.A. Research 2
Calendar Title: M.A. Research 2.
Description: An advanced course in which M.A. students conduct their own research project.

LING 607
Credit Weight: 9
Transcript Title: M.A. Research Paper
Calendar Title: M.A. Research Paper.
Description: Research and writing of the M.A. research paper on an approved subject.

LING 610
Credit Weight: 3
Transcript Title: Linguistic Field Research
Calendar Title: Linguistic Field Research.
Description: Explores theoretically relevant questions in a less familiar and under-studied language, working with a language consultant. Basic methods of how to approach a new language and culture in the field are covered, as well as issues of language documentation and language preservation.
Notes: Prerequisites: LING 631 and LING 671
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 611
Credit Weight: 3
Transcript Title: Analy of an Indigenous Lang
Calendar Title: Analysis of an Indigenous Language.
Description:
Engages with primary research into linguistic and grammatical properties in an Indigenous language or language family of North America. Topics covered include: phonetics, phonology, morphology, syntax, and semantics; historical and comparative research; as well as topics at the intersection of language and culture. Evaluates linguistic theories with respect to empirical data from an Indigenous language, and covers how Indigenous languages have shaped linguistic theory.
Notes:
The language of study will vary from year to year.

LING 619
Credit Weight: 3
Transcript Title: Experimental Ling.:Foundations
Calendar Title: Experimental Linguistics: Foundations.
Description:
Foundations of the relationship between linguistic theory and experimental linguistics (language acquisition, neurolinguistics and psycholinguistics).
Notes:
Winter

LING 620
Credit Weight: 3
Transcript Title: Experimental Ling.: Methods
Calendar Title: Experimental Linguistics: Methods.
Description:
Introduction to experimental research methods for linguists.
Notes:
Prerequisite: PSYC 305 or equivalent

LING 630
Credit Weight: 3
Transcript Title: Phonetics 3
Calendar Title: Phonetics 3.
Description:
Introduction to the current state of the field of phonetics, covering articulation, acoustics, and theories of perception and production.
Status (catalog level): Active

LING 631
Credit Weight: 3
Transcript Title: Phonology 3
Calendar Title: Phonology 3.
Description: Foundations of phonological theory, focusing on issues in segmental and prosodic structure.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 635
Credit Weight: 3
Transcript Title: Phonetics and Phonology 4
Calendar Title: Phonetics and Phonology 4.
Description: Advanced course on current issues in phonetic and phonological theory.
Notes: Winter
Prerequisite(s): LING 631 and LING 630, or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 640
Credit Weight: 3
Transcript Title: Fundamentals of Morphology
Calendar Title: Fundamentals of Morphology.
Description: Introduction to current theoretical notions that seek to define a well-formed word structure, including headedness, morphological subcategorization, feature percolation and cyclicity.
Notes: Fall
Restriction: Not open to students who have taken LING 440
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 645
Credit Weight: 3
Transcript Title: Computational Research on Lang
Calendar Title: Computational Research on Language.
Description: Introduction to computational tools and methods for addressing research questions in language sciences, including analysis of text and speech datasets.
Notes: Prerequisites: LING 631 and LING 671 or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active
LING 650
Credit Weight: 3
Transcript Title: Testing Theories in the Lab
Calendar Title: Testing Theories in the Laboratory.
Description: A course combining linguistic theory and appropriate experimental methods. Students will work on theoretical problems and develop techniques to test them experimentally. They will learn how to design and run experiments, and to evaluate experimental results and present them in a theoretical context.
Notes: Prerequisite: Permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 651
Credit Weight: 3
Transcript Title: Topics in Acquis of Phonology
Calendar Title: Topics in Acquisition of Phonology.
Description: An examination of theoretically informed work on the first language acquisition of phonology.
Symbols: ALTY - Taught in alternate years
Notes: Prerequisites: LING 331 or LING 631 or permission of instructor. A course in language acquisition is highly recommended.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 655
Credit Weight: 3
Transcript Title: Theory of L2 Acquisition
Calendar Title: Theory of L2 Acquisition.
Description: Interlanguage grammars and the role of Universal Grammar in second language acquisition.
Symbols: ALTY - Taught in alternate years
Notes: Winter
Prerequisite: LING 671 or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 660
Credit Weight: 3
Transcript Title: Semantics 3
Calendar Title: Semantics 3.
Description: Introduction to the basics of natural language semantics.
Notes: Fall
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 661
Credit Weight: 3
Transcript Title: Advanced Formal Methods
Calendar Title: Advanced Formal Methods.
Description:
This course presents the formal methods used in the study of syntax or semantics. Topics include basic set theory as well as partial orders and lattices.
Notes:
Prerequisite: LING 660 or LING 671.
Restriction: Not open to students who have taken LING 560.
Administrating Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 665
Credit Weight: 3
Transcript Title: Semantics 4
Calendar Title: Semantics 4.
Description:
Further introduction to the basics of natural language semantics.
Notes:
Winter
Prerequisite: LING 660.
Administrating Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 671
Credit Weight: 3
Transcript Title: Syntax 3
Calendar Title: Syntax 3.
Description:
In-depth overview of current issues in theoretical syntax. Emphasis will be placed on the logic and development of argumentation in syntactic theory.
Notes:
Fall
Administrating Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 675
Credit Weight: 3
Transcript Title: Syntax 4
Calendar Title: Syntax 4.
Description:
Continuation of LING 671.
Notes:
Winter
Prerequisite: LING 671
Administrating Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 682
Credit Weight: 3
Transcript Title: Selected Topics 1
Calendar Title: Selected Topics 1.
Description:
Intensive study of a selected topic in linguistics.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 683
Credit Weight: 3
Transcript Title: Selected Topics 2
Calendar Title: Selected Topics 2.
Description:
Intensive study of a selected topic in linguistics.
Notes:
Winter
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 688
Credit Weight: 3
Transcript Title: Tutorial 1
Calendar Title: Tutorial 1.
Description:
Independent study of a selected field or topic.
Notes:
Restriction: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 690
Credit Weight: 18
Transcript Title: M.A. Thesis Submission
Calendar Title: M.A. Thesis Submission.
Description:
Research, writing and submission of the M.A. thesis on an approved subject.
Symbols: ALTY - Taught in alternate years
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 706
Credit Weight: 0
Transcript Title: Ph.D. Evaluation 1
Calendar Title: Ph.D. Evaluation 1.
Description:
Research and writing of the first research paper required in the Ph.D program.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active
LING 707
Credit Weight: 0
Transcript Title: Ph.D. Evaluation 2
Calendar Title: Ph.D. Evaluation 2.
Description:
Research and writing of the second research paper required in the Ph.D program.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 710
Credit Weight: 2
Transcript Title: Language Acquisition Issues 2
Calendar Title: Language Acquisition Issues 2.
Description:
Examination and discussion of the literature on a selected topic in language acquisition.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 721
Credit Weight: 3
Transcript Title: Advanced Seminar 1
Calendar Title: Advanced Seminar 1.
Description:
An advanced seminar on current linguistic research.
Notes:
Topic varies by year.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 722
Credit Weight: 3
Transcript Title: Advanced Seminar 2
Calendar Title: Advanced Seminar 2.
Description:
An advanced seminar on current linguistic research.
Notes:
Topic varies by year.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 735
Credit Weight: 3
Transcript Title: Seminar in Phonology
Calendar Title: Seminar in Phonology.
Description:
Current topics in phonological theory.
Notes:
Prerequisite: LING 635
Note: Topics vary from year to year.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 751**

**Credit Weight:** 3

**Transcript Title:** Advanced Sem.: Experimental 1

**Calendar Title:** Advanced Seminar: Experimental 1.

**Description:**
An advanced seminar on current experimental research in linguistics. Topic varies by year.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 752**

**Credit Weight:** 3

**Transcript Title:** Advanced Sem.: Experimental 2

**Calendar Title:** Advanced Seminar: Experimental 2.

**Description:**
An advanced seminar on current experimental research in linguistics. Topic varies by year.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 765**

**Credit Weight:** 3

**Transcript Title:** Seminar in Semantics

**Calendar Title:** Seminar in Semantics.

**Description:**
Current topics in semantic theory.

**Notes:**
Prerequisite: LING 665

Note: Topics vary from year to year.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 775**

**Credit Weight:** 3

**Transcript Title:** Seminar in Syntax

**Calendar Title:** Seminar in Syntax.

**Description:**
Exploration and in-depth discussion of a current topic in syntactic theory through reading and discussion of primary literature.

**Notes:**
Prerequisite: LING 671

Restriction: Not open to students who have taken LING 771

Note: Topics vary from year to year.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Linguistics

**Status (catalog level):** Active

**LING 782**
Credit Weight: 3
Transcript Title: Selected Topics 3
Calendar Title: Selected Topics 3.
Description:
Intensive study of a selected topic in linguistics
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 783
Credit Weight: 3
Transcript Title: Selected Topics 4
Calendar Title: Selected Topics 4.
Description:
Intensive study of selected topic in linguistics.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 788
Credit Weight: 3
Transcript Title: Tutorial 2
Calendar Title: Tutorial 2.
Description:
Independent study of a selected field or topic.
Notes:
Restriction: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active

LING 789
Credit Weight: 3
Transcript Title: Tutorial 3
Calendar Title: Tutorial 3.
Description:
Independent study of a selected field or topic.
Notes:
Restriction: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Linguistics
Status (catalog level): Active
LLCU 199
Credit Weight: 3
Transcript Title: FYS: Literary Animals
Calendar Title: FYS: Literary Animals.
Description:
Study of the representation of animals in different European literary texts from both a thematic and a theoretical perspective. Questions about narrative voice, alternate worlds, and the human/animal binary will be raised within the larger political context of animals as Other in today's contemporary society.
Notes:
Restriction: Open only to newly admitted students in U0 or U1 who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 200
Credit Weight: 3
Transcript Title: Topics in Film
Calendar Title: Topics in Film.
Description:
This seminar focuses on a special topic in European and/or transatlantic film and visual culture.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 201
Credit Weight: 3
Transcript Title: Literature and Culture Topics
Calendar Title: Literature and Culture Topics.
Description:
Special topics seminar focusing on a particularly relevant theme, recurrent motif, or a seminal movement in European and/or transatlantic literature.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 210
Credit Weight: 3
Transcript Title: Intr to European Lit & Culture
Calendar Title: Introduction to European Literature and Culture.
Description:
An introduction to the study of European culture and literature through an examination of major works and periods of European literature, philosophy, and religion. All readings will be in English translation.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 212
Credit Weight: 3
Transcript Title: Understanding Dig&Social Media
Calendar Title: Understanding Digital and Social Media.
Description:
Lectures will explore a range of topics related to technologies of contemporary
digital and social media, with particular attention to understanding technical, historical, ethical and legal issues. Tutorials will help students to express themselves effectively with digital media, and especially on the web (HTML, images, audio, video).

Notes:
Students need a laptop computer.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 220
Credit Weight: 3
Transcript Title: Intro to Literary Analysis
Calendar Title: Introduction to Literary Analysis.
Description: A literary analysis course that introduces the tools and critical terms needed for studying poetry and prose fiction, discussing formal and stylistic differences, organizing and writing critical essays.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 230
Credit Weight: 3
Transcript Title: Environmental Imaginations
Calendar Title: Environmental Imaginations.
Description: This course will provide a cultural framework for examining representations of environmental issues in literary texts and films. The emphasis will be on the ways issues such as global warming, ozone depletion, and extreme weather patterns are imagined in specific cultural productions.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 250
Credit Weight: 3
Transcript Title: History and Future of the Book
Calendar Title: History and Future of the Book.
Description: A survey of the 2000-year history of the medium of the book with a look towards its future durability and translation into digital media.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 255
Credit Weight: 3
Transcript Title: Intro to Literary Text Mining
Calendar Title: Introduction to Literary Text Mining I.
Description: This course will introduce students to the variety of computational techniques used including social network analysis and natural language processing.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
LLCU 279
Credit Weight: 3
Transcript Title: Introduction to Film History
Calendar Title: Introduction to Film History.
Description: An introduction to representative periods, movements and styles in the history of cinema, as well as questions of film historiography.
Notes: Restriction: Not open to students who have taken or are taking EAST 279 or FILM 279.
Language of instruction: English.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 300
Credit Weight: 3
Transcript Title: Cinema and the Visual
Calendar Title: Cinema and the Visual.
Description: This seminar examines topics in European and/or transatlantic cinema and visual culture, including film theory, aesthetics and historiography; media archeology; cinema and the digital; film and philosophy; cultural histories of the cinema; and approaches to moving images.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 301
Credit Weight: 3
Transcript Title: Topics in Culture and Thought
Calendar Title: Topics in Culture and Thought.
Description: Special topics focusing on European or transatlantic intellectual traditions and movements.
Notes: A fee of $3500 will be required to cover the costs of professors room, meals, and airfare, Project Coordinator stipend, accommodation and meals; accommodation will be based on double occupancy, two meals a day, ground transportation, academic materials, city taxes and various activities/excursions while in Italy (La Sapienza University in Rome). Students will pay their own airfare.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 311
Credit Weight: 3
Transcript Title: Digital Studies/Citizenry
Calendar Title: Digital Studies/Citizenry.
Description: This course will provide a conceptual and practical understanding of how to leverage technologies in a range of common activities such as searching, social networking, presenting, and creating web content. The emphasis will be on using and understanding digital technologies in effective and ethical ways in our digital society.
Notes:
Restriction: Not open to students who have taken LLCU 211.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

LLCU 312
Credit Weight: 3
Transcript Title: AI and Literature
Calendar Title: Artificial Intelligence and Literature.
Description:
The impact of Artificial Intelligence on the understanding of human storytelling, including narrative structure, the function of characters, and measuring emotional expressiveness.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 498
Credit Weight: 3
Transcript Title: Digital Project
Calendar Title: Digital Project.
Description:
Students will pursue digital projects through group instruction and individual supervision. Emphasis will be placed on effective project planning, appropriate research, theoretical framing, and effective communication. Students will be expected to present their work at an open symposium event at the end of term.

Notes:
Permission of instructor need for registration.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 602
Credit Weight: 3
Transcript Title: The Digital Humanities
Calendar Title: The Digital Humanities.
Description:
This course will provide theoretical and practical foundations for working in the digital humanities, covering topics such as digitization, encoding, analysis, and visualization. We will consider, critique, and engage with the new possibilities – and dangers – of digital scholarship.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 603
Credit Weight: 3
Transcript Title: Visual Culture
Calendar Title: Visual Culture.
Description:
This seminar examines topics in visual culture in European and/or transatlantic cinema including film theory, aesthetics and historiography; media archeology; cinema and the digital; film and philosophy; cultural histories of the cinema; and intermedial approaches to moving images.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 604
Credit Weight: 3
Transcript Title: Special Topics in Film
Calendar Title: Special Topics in Film.
Description: This seminar focuses on selected topics in film studies.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 606
Credit Weight: 3
Transcript Title: Topics in Literature
Calendar Title: Topics in Literature.
Description: This seminar explores selected motifs and themes of European and/or Latin American literature and thought. It may address questions of genre, the emergence of literary movements, and the formation of reading publics.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 607
Credit Weight: 3
Transcript Title: Topics in Thought
Calendar Title: Topics in Thought.
Description: Special topics course focusing on a particularly relevant theme, recurrent motif, or seminal movement in European and/or transatlantic culture and thought.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 609
Credit Weight: 3
Transcript Title: Literary Theory
Calendar Title: Literary Theory.
Description: Investigation of traditions and trends in literary theory and methods of literary criticism.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 610
Credit Weight: 3
Transcript Title: Teaching Language
Calendar Title: Teaching Language.
Description: This seminar addresses various aspects of language teaching and second-language acquisition. Topics may include fundamentals of linguistics for language teaching and/or fundamentals of foreign language pedagogy.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

LLCU 612  
Credit Weight: 3  
Transcript Title: Literary Text Mining  
Calendar Title: Literary Text Mining.  
Description:  
Digital texts are composed of discrete units of information that have the virtue of being infinitely malleable and reconfigurable, allowing new practices for searching, filtering, comparing, annotating, measuring, representing and understanding texts. From single works to virtual libraries, from canonical classics to contemporary social media, digital texts can provide rich fodder for interpretive practices in the digital humanities. This course will provide students with theoretical and practical foundations for working with a variety of digital texts.  
Administrating Faculty: Graduate Studies  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

LLCU 614  
Credit Weight: 3  
Transcript Title: Cultural Analytics  
Calendar Title: Cultural Analytics.  
Description:  
This course will serve as a critical introduction into the new tools and techniques that are being developed to study literature and culture at a vastly greater scale. Introduction to the computational analysis of culture.  
Notes:  
Open to all disciplines.  
Administrating Faculty: Graduate Studies  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

LLCU 689  
Credit Weight: 6  
Transcript Title: Digital Humanities Proj Mgmt  
Calendar Title: Digital Humanities Project Management.  
Description:  
Students will propose, plan, develop and deliver a substantial digital project within the broader academic context of the Digital Humanities. Emphasis will be placed on effective project planning, time and resource management, dissemination, and preservation.  
Notes:  
Prerequisite(s): LLCU 602  
Normally LLCU 602 would be taken in the fall, followed by LLCU 689 in the winter.  
Administrating Faculty: Graduate Studies  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

LLCU 696  
Credit Weight: 6  
Transcript Title: Thesis Research 1  
Calendar Title: Thesis Research 1.  
Description:  
Exploratory thesis research toward selection of final thesis topic.
Notes:
Restrictions: Open only to students in the Ad Hoc M.A. in Digital Humanities.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 697
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Continuing thesis research.

Notes:
Restrictions: Open only to students in the Ad Hoc M.A. in Digital Humanities.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 698
Credit Weight: 6
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Continuing thesis research.

Notes:
Restrictions: Open only to students in the Ad Hoc M.A. in Digital Humanities.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 699
Credit Weight: 6
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Finalizing and submission of thesis.

Notes:
Restrictions: Open only to students in the Ad Hoc M.A. in Digital Humanities.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

LLCU 701
Credit Weight: 0
Transcript Title: PhD Comprehensive Examination
Calendar Title: PhD Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Notes:
Restriction: Open to doctoral candidates in the ad hoc Ph.D. in Digital Humanities program only.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
LSCI 202
Credit Weight: 3
Transcript Title: Molecular Cell Biology
Calendar Title: Molecular Cell Biology.
Description:
Notes:
Prerequisites: LSCI 211 and FDSC 230 or equivalent, or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

LSCI 204
Credit Weight: 3
Transcript Title: Genetics
Calendar Title: Genetics.
Description:
The course integrates classical, molecular and population genetics of animals, plants, bacteria and viruses. The aim is to understand the flow of genetic information within a cell, within families and in populations. Emphasis will be placed on problem solving based learning. The laboratory exercises will emphasize the interpretation of genetic experimental data.
Notes:
Restriction: Not open to students who have taken BIOL 202.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

LSCI 211
Credit Weight: 3
Transcript Title: Biochemistry 1
Calendar Title: Biochemistry 1.
Description:
Biochemistry of carbohydrates, lipids, proteins, nucleic acids; enzymes and coenzymes. Introduction to intermediary metabolism.
Notes:
Co-requisite: FDSC 230
Restriction: Not open to students who have taken FDSC 211
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

LSCI 230
Credit Weight: 3
Transcript Title: Introductory Microbiology
Calendar Title: Introductory Microbiology.
Description:
The occurrence and importance of microorganisms in the biosphere. Principles governing growth, death and metabolic activities of microorganisms. An introduction to the microbiology of soil, water, plants, food, humans and animals.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

LSCI 401
Credit Weight: 6
Transcript Title: Honours Research Project 1
Calendar Title: Honours Research Project 1.
Description: Preparation of an honours research proposal, progress report, and delivery of a proposal seminar, as well as initiating the research project.
Notes:
Restriction: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Life Sciences (Biological and Agricultural) program.
Prerequisites: AEHM 205 and permission of the instructor
This course is only offered in Fall.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

LSCI 402
Credit Weight: 6
Transcript Title: Honours Research Project 2
Calendar Title: Honours Research Project 2.
Description: Completion of the honours research project, including a progress report, a final project report, and a project presentation.
Notes:
Prerequisites: LSCI 401 and permission of the instructor
Restrictions: Only open to students in the B.Sc.(Ag.Env.Sc.); Honours in Life Sciences (Biological and Agricultural) program.
This course is only offered in Winter.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

LSCI 451
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description: A research project on a topic relevant to the life sciences. This course is intended for senior (U3) undergraduates.
Notes:
Fall and Winter
Prerequisite(s): PARA 438 as a prerequisite or corequisite, and permission of instructor.
Restriction: Open to students with a minimum CGPA of 3.0.
Enrolment is limited by availability of research project supervisors and to students in the Life Sciences (Biological and Agricultural) Major. Students should make arrangements with a willing supervisor, and the proposed supervisor and project are subject to approval. Recommended for students in their final year (U3).
Not open to students who have taken AEBI 451.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
LSCI 452
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description: Continuation of the project begun in LSCI 451 on a topic relevant to the life sciences.
Notes: Fall and Winter
Prerequisite: LSCI 451
Restrictions: Enrolment is limited by availability of research project supervisors and to students in the Life Sciences (Biological and Agricultural) Major. Students should make arrangements with a supervisor; the proposed supervisor and project are subject to approval. Not open to students who have taken AEBI 452.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
MATH 111
Credit Weight: 3
Transcript Title: Math for Education Students
Calendar Title: Mathematics for Education Students.
Description:
Sets and functions. Numeration systems. Whole numbers and integers, algorithms for whole-number computations, elementary number theory. Fractions and proportional reasoning. Real numbers, decimals and percents. A brief introduction to probability and statistics.
Notes:
Winter
Restriction: Open only to students in the B.Ed. program, not open to students who have successfully completed CEGEP course 201-101 or an equivalent. Not available for credit with MATH 112
Offered by the Faculty of Science. Note: all Science courses have limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 122
Credit Weight: 3
Transcript Title: Calculus for Management
Calendar Title: Calculus for Management.
Description:
Notes:
3 hours lecture, 1 hour tutorial
Prerequisite: A course in functions.
Restrictions: Not open to students who have taken or are taking MATH 139, MATH 140, MATH 150. MATH 139, MATH 140, MATH 141, MATH 150 and MATH 151 are not open to students who have taken or are taking MATH 122, except by special permission of the Department of Mathematics and Statistics. Open to Desautels Faculty of Management students only. Offered by the Faculty of Science. Students intending to pursue one of the major or minor concentrations in Mathematics and Statistics in the Desautels Faculty of Management should take MATH 140 [or MATH 139] and MATH 141 instead.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 123
Credit Weight: 3
Transcript Title: Linear Algebra and Probability
Calendar Title: Linear Algebra and Probability.
Description:
Notes:
3 hours lecture, 1 hour tutorial.
Restrictions: Not open to students who have taken or are taking MATH 223, or MATH 133 or CEGEP objective 00UQ or equivalent. Open to Faculty of Management students only. Offered by the Faculty of Science. Students intending to pursue one of the major or minor concentrations in Mathematics and Statistics in the Faculty of Management should take MATH 133 instead.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 125
Credit Weight: 3
Transcript Title: Math.Techniques for Economics
Calendar Title: Mathematical Techniques for Economics.
Description: Differentiation of single and multivariable functions; optimization of single and multivariable functions; constrained optimization of multivariable functions; elements of integration; applications to economics.
Notes:
Restriction(s): Not open to students who have taken MATH 122 or MATH 141 or CEGEP objective 00UF or an equivalent CEGEP course covering integral calculus.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 133
Credit Weight: 3
Transcript Title: Linear Algebra and Geometry
Calendar Title: Linear Algebra and Geometry.
Description: Systems of linear equations, matrices, inverses, determinants; geometric vectors in three dimensions, dot product, cross product, lines and planes; introduction to vector spaces, linear dependence and independence, bases. Linear transformations. Eigenvalues and diagonalization.
Notes:
3 hours lecture, 1 hour tutorial
Prerequisite: a course in functions
Restriction A: Not open to students who have taken MATH 221 or CEGEP objective 00UQ or equivalent.
Restriction B: Not open to students who have taken or are taking MATH 123, except by permission of the Department of Mathematics and Statistics.
Restriction C: Not open to students who are taking or have taken MATH 134.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 134
Credit Weight: 3
Transcript Title: Enriched Linear Algebra&Geom
Calendar Title: Enriched Linear Algebra and Geometry.
Description: Complex numbers. Systems of linear equations, matrix algebra, determinants. Subspaces of euclidean space, linear dependence and independence, bases. Bilinear and quadratic forms. The Gram-Schmidt process. Eigenvalues and eigenvectors, diagonalization. Orthogonal diagonalization of symmetric matrices. This course is
intended for students in mathematics and physical sciences.

Notes:
Restriction: Not open to students who are taking or have taken MATH 133

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Inactive

MATH 139
Credit Weight: 4
Transcript Title: Calculus 1 with Precalculus
Calendar Title: Calculus 1 with Precalculus.
Description:
Notes:
Fall
4 hours lecture, 1 hour tutorial
Prerequisite: a course in functions
Restriction: Not open to students who have taken CEGEP objective 00UN or equivalent.
Restriction Note B: Not open to students who have taken or are taking MATH 122, except by permission of the Department of Mathematics and Statistics.
Students continue in MATH 141
Each Tutorial section is enrolment limited

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 140
Credit Weight: 3
Transcript Title: Calculus 1
Calendar Title: Calculus 1.
Description:
Notes:
3 hours lecture, 1 hour tutorial
Prerequisite: High School Calculus
Restriction: Not open to students who have taken MATH 120, MATH 139 or CEGEP objective 00UN or equivalent
Restriction: Not open to students who have taken or are taking MATH 122, except by permission of the Department of Mathematics and Statistics
Each Tutorial section is enrolment limited

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 141
Credit Weight: 4
Transcript Title: Calculus 2
Calendar Title: Calculus 2.
Description:
Notes:
Prerequisites: MATH 139 or MATH 140 or MATH 150.
Restriction: Not open to students who have taken MATH 121 or CEGEP objective 00UP or equivalent
Restriction Note B: Not open to students who have taken or are taking MATH 122, except by permission of the Department of Mathematics and Statistics.
Each Tutorial section is enrolment limited

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 150
Credit Weight: 4
Transcript Title: Calculus A
Calendar Title: Calculus A.
Description: Functions, limits and continuity, differentiation, L'Hospital's rule, applications, Taylor polynomials, parametric curves, functions of several variables.
Notes:
Fall
3 hours lecture, 2 hours tutorial
Students with no prior exposure to vector geometry are advised to take MATH 133 concurrently. Intended for students with high school calculus who have not received six advanced placement credits
Restriction: Not open to students who have taken CEGEP objective 00UN or equivalent
Restriction Note B: Not open to students who have taken or are taking MATH 122, except by permission of the Department of Mathematics and Statistics
MATH 150 and MATH 151 cover the material of MATH 139, MATH 140, MATH 141, MATH 222

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 151
Credit Weight: 4
Transcript Title: Calculus B
Calendar Title: Calculus B.
Description: Integration, methods and applications, infinite sequences and series, power series, arc length and curvature, multiple integration.
Notes:
Winter
3 hours lecture; 2 hours tutorial
Each Tutorial section is enrolment limited
Prerequisite: MATH 150
Restriction: Not open to students who have taken CEGEP objective 00UP or equivalent
Restriction Note B: Not open to students who have taken or are taking MATH 122, except by permission of the Department of Mathematics and Statistics
Restriction: Not open to students who have taken MATH 152

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 180
Credit Weight: 3
Transcript Title: The Art of Mathematics
Calendar Title: The Art of Mathematics.
Description:
An overview of what mathematics has to offer. This course will let you discover the beauty of mathematical ideas while only requiring a high school background in mathematics. The topics of the course may include: prime numbers, modular arithmetic, complex numbers, matrices, permutations and combinations, probability, set theory, game theory, logic, chaos. Additional topics may be covered depending on the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 203
Credit Weight: 3
Transcript Title: Principles of Statistics 1
Calendar Title: Principles of Statistics 1.
Description:
Examples of statistical data and the use of graphical means to summarize the data. Basic distributions arising in the natural and behavioural sciences. The logical meaning of a test of significance and a confidence interval. Tests of significance and confidence intervals in the one and two sample setting (means, variances and proportions).
Notes:
No calculus prerequisites
Restriction: This course is intended for students in all disciplines. For extensive course restrictions covering statistics courses see Section 3.6.1 of the Arts and of the Science sections of the calendar regarding course overlaps. You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar. Students should consult http://www.mcgill.ca/students/transfercredit for information regarding transfer credits for this course.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 204
Credit Weight: 3
Transcript Title: Principles of Statistics 2
Calendar Title: Principles of Statistics 2.
Description:
The concept of degrees of freedom and the analysis of variability. Planning of experiments. Experimental designs. Polynomial and multiple regressions. Statistical computer packages (no previous computing experience is needed). General statistical procedures requiring few assumptions about the probability model.
Notes:
Winter
Prerequisite: MATH 203 or equivalent. No calculus prerequisites
Restriction: This course is intended for students in all disciplines. For extensive course restrictions covering statistics courses see Section 3.6.1 of the Arts and of the Science sections of the calendar regarding course overlaps. You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
**MATH 208**

**Credit Weight:** 3  
**Transcript Title:** Intro to Statistical Computing  
**Calendar Title:** Introduction to Statistical Computing.  
**Description:**  
**Notes:**  
Prerequisite(s): MATH 133  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 222**

**Credit Weight:** 3  
**Transcript Title:** Calculus 3  
**Calendar Title:** Calculus 3.  
**Description:**  
**Notes:**  
Prerequisite: MATH 141. Familiarity with vector geometry or Corequisite: MATH 133  
Restriction: Not open to students who have taken MATH 150, MATH 151 or MATH 262.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 223**

**Credit Weight:** 3  
**Transcript Title:** Linear Algebra  
**Calendar Title:** Linear Algebra.  
**Description:**  
**Notes:**  
Fall and Winter  
Prerequisite: MATH 133 or equivalent  
Restriction: Not open to students in Mathematics programs nor to students who have taken or are taking MATH 236, MATH 247 or MATH 251. It is open to students in Faculty Programs  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 228**

**Credit Weight:** 3  
**Transcript Title:** Classical Geometry  
**Calendar Title:** Classical Geometry.
Description:
This course is designed to reintroduce classical Euclidean geometry to tomorrow's teachers. Topics include: Axioms and Euclid's Elements, the triangle theorem, the Pythagorean Theorem and its extensions, basic constructions and similar triangles, Thales' theorems and cyclic quadrilaterals, the centers of triangles, the nine-point circle, conic sections and analytic geometry, the prismatoid formula, the Platonic solids, non-Euclidean geometries.

Notes:
Restrictions: Cannot be taken for credit by students in Mathematics and Statistics programs.
Not open to students who have taken or are taking MATH 348 or MATH 398.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 235
Credit Weight: 3
Transcript Title: Algebra 1
Calendar Title: Algebra 1.
Description:

Notes:
Fall
3 hours lecture; 1 hour tutorial
Prerequisite: MATH 133 or equivalent

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 236
Credit Weight: 3
Transcript Title: Algebra 2
Calendar Title: Algebra 2.
Description:

Notes:
Winter
Prerequisite: MATH 235

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 240
Credit Weight: 3
Transcript Title: Discrete Structures
Calendar Title: Discrete Structures.
Description:
Introduction to discrete mathematics and applications. Logical reasoning and methods of proof. Elementary number theory and cryptography: prime numbers,
modular equations, RSA encryption. Combinatorics: basic enumeration, combinatorial methods, recurrence equations. Graph theory: trees, cycles, planar graphs.

Notes:
Fall and Winter
Corequisite: MATH 133.
Restriction: For students in any Computer Science, Computer Engineering, or Software Engineering programs. Others only with the instructor's permission. Not open to students who have taken or are taking MATH 235.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 242
Credit Weight: 3
Transcript Title: Analysis 1
Calendar Title: Analysis 1.
Description:
A rigorous presentation of sequences and of real numbers and basic properties of continuous and differentiable functions on the real line.

Notes:
Fall
Prerequisite: MATH 141
Restriction(s): Not open to students who are taking or who have taken MATH 254.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 243
Credit Weight: 3
Transcript Title: Analysis 2
Calendar Title: Analysis 2.
Description:

Notes:
Winter
Prerequisite: MATH 242 or MATH 254.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 247
Credit Weight: 3
Transcript Title: Honours Applied Linear Algebra
Calendar Title: Honours Applied Linear Algebra.
Description:

Notes:
Winter
Prerequisite: MATH 133 or equivalent.
Restriction: Intended for Honours Physics and Engineering students
Restriction: Not open to students who have taken or are taking MATH 236, MATH 223 or MATH 251

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 248
Credit Weight: 3
Transcript Title: Honours Vector Calculus
Calendar Title: Honours Vector Calculus.
Description:
Partial derivatives and differentiation of functions in several variables; Jacobians; maxima and minima; implicit functions. Scalar and vector fields; orthogonal curvilinear coordinates. Multiple integrals; arc length, volume and surface area. Line and surface integrals; irrotational and solenoidal fields; Green's theorem; the divergence theorem. Stokes' theorem; and applications.
Notes:
Fall and Winter and Summer
Prerequisites: MATH 133 and MATH 222 or consent of Department.
Restriction: Intended for Honours Physics, Computer Science, Physiology and Engineering students.
Restriction: Not open to students who have taken or are taking MATH 314 or MATH 358.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 249
Credit Weight: 3
Transcript Title: Honours Complex Variables
Calendar Title: Honours Complex Variables.
Description:
Functions of a complex variable; Cauchy-Riemann equations; Cauchy's theorem and consequences. Taylor and Laurent expansions. Residue calculus; evaluation of real integrals; integral representation of special functions; the complex inversion integral. Conformal mapping; Schwarz-Christoffel transformation; Poisson's integral formulas; applications.
Notes:
Winter
Prerequisite(s): MATH 248 or MATH 358 or equivalent.
Restriction: Intended for Honours Physics and Engineering students.
Restriction: Not open to students who have taken or are taking MATH 316

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 251
Credit Weight: 3
Transcript Title: Honours Algebra 2
Calendar Title: Honours Algebra 2.
Description:
Notes:
Winter
Prerequisites: MATH 235 or permission of the Department
Restriction: Not open to students who are taking or have taken MATH 247

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Mathematics and Statistics

**Status (catalog level):** Active

MATH 254

**Credit Weight:** 3

**Transcript Title:** Honours Analysis 1

**Calendar Title:** Honours Analysis 1.

**Description:**

**Notes:**
Prerequisite(s): MATH 141
Restriction(s): Not open to students who are taking or who have taken MATH 242.

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Mathematics and Statistics

**Status (catalog level):** Active

MATH 255

**Credit Weight:** 3

**Transcript Title:** Honours Analysis 2

**Calendar Title:** Honours Analysis 2.

**Description:**

**Notes:**
Winter
Prerequisites: MATH 242 or MATH 254 or permission of the Department

**Administrating Faculty:** Faculty of Science

**Teaching Department:** Mathematics and Statistics

**Status (catalog level):** Active

MATH 262

**Credit Weight:** 3

**Transcript Title:** Intermediate Calculus

**Calendar Title:** Intermediate Calculus.

**Description:**

**Notes:**
(3-1-5)
Prerequisites: MATH 141, MATH 133 or equivalent.
Restrictions: Open only to students in the Faculty of Engineering. Not open to students who are taking or have taken MATH 151, MATH 152, OR MATH 222.

**Administrating Faculty:** Faculty of Engineering
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 263
Credit Weight: 3
Transcript Title: ODEs for Engineers
Calendar Title: Ordinary Differential Equations for Engineers.
Description: First order ODEs. Second and higher order linear ODEs. Series solutions at ordinary and regular singular points. Laplace transforms. Linear systems of differential equations with a short review of linear algebra.
Notes: (3-1-5)
Corequisite: MATH 262.
Restrictions: Open only to students in the Faculty of Engineering. Not open to students who are taking or have taken MATH 315 or MATH 325.

Administering Faculty: Faculty of Engineering
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 264
Credit Weight: 3
Transcript Title: Adv Calculus for Engineers
Calendar Title: Advanced Calculus for Engineers.
Notes: (3-1-5)
Prerequisite: MATH 262 or MATH 151 or MATH 152 or equivalent.
Corequisite: MATH 263
Restrictions: Open only to students in the Faculty of Engineering. Not open to students who are taking or have taken MATH 319 or MATH 475.

Administering Faculty: Faculty of Engineering
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 271
Credit Weight: 3
Transcript Title: Linear Algebra and PDE's
Calendar Title: Linear Algebra and Partial Differential Equations.
Notes: Fall and Winter (3-1-5)
Prerequisites: MATH 263, MATH 264.
Not open to students who have taken MATH 266.

Administering Faculty: Faculty of Engineering
Teaching Department: Mathematics and Statistics
Status (catalog level): Active
MATH 308
Credit Weight: 3
Transcript Title: Fundamentals of Statistical Learning
Calendar Title: Fundamentals of Statistical Learning.
Description: Theory and application of various techniques for the exploration and analysis of multivariate data: principal component analysis, correspondence analysis, and other visualization and dimensionality reduction techniques; supervised and unsupervised learning; linear discriminant analysis, and clustering techniques.
Data applications using appropriate software.
Notes: Prerequisite(s): MATH 208, one of MATH 223, MATH 236, MATH 247, MATH 251; MATH 323 or MATH 356.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 314
Credit Weight: 3
Transcript Title: Advanced Calculus
Calendar Title: Advanced Calculus.
Notes: Prerequisites: MATH 133, MATH 222
Restriction: Not open to students who have taken or are taking MATH 248 or MATH 358.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 315
Credit Weight: 3
Transcript Title: Ordinary Differential Eqns
Calendar Title: Ordinary Differential Equations.
Description: First order ordinary differential equations including elementary numerical methods. Linear differential equations. Laplace transforms. Series solutions.
Notes: Prerequisite: MATH 222.
Corequisite: MATH 133.
Restriction: Not open to students who have taken or are taking MATH 325.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 316
Credit Weight: 3
Transcript Title: Complex Variables
Calendar Title: Complex Variables.
Description: Algebra of complex numbers, Cauchy-Riemann equations, complex integral, Cauchy's theorems. Taylor and Laurent series, residue theory and applications.
Notes:
Fall
Prerequisites: MATH 314 or equivalent and MATH 243.
Restriction: Not open to students who have taken or are taking MATH 249, MATH 366, MATH 381 or MATH 466.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 317
Credit Weight: 3
Transcript Title: Numerical Analysis
Calendar Title: Numerical Analysis.
Description:

Notes:
Fall
Prerequisites: MATH 315 or MATH 325 or MATH 263, and COMP 202 or permission of instructor.
Restrictions: Not open to students who have taken COMP 350

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 318
Credit Weight: 3
Transcript Title: Mathematical Logic
Calendar Title: Mathematical Logic.
Description:
Propositional logic: truth-tables, formal proof systems, completeness and compactness theorems, Boolean algebras; first-order logic: formal proofs, Gödel's completeness theorem; axiomatic theories; set theory; Cantor's theorem, axiom of choice and Zorn's lemma, Peano arithmetic; Gödel's incompleteness theorem.

Notes:
Fall
Prerequisite(s): MATH 235 or MATH 240 or MATH 242.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 319
Credit Weight: 3
Transcript Title: Partial Differential Equations
Calendar Title: Partial Differential Equations.
Description:
First order equations, geometric theory; second order equations, classification; Laplace, wave and heat equations, Sturm-Liouville theory, Fourier series, boundary and initial value problems.

Notes:
Winter
Prerequisites: MATH 223 or MATH 236, MATH 314 or equivalent, MATH 315
Not open to students who have taken or are taking MATH 475.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 323
Credit Weight: 3
Transcript Title: Probability
Calendar Title: Probability.
Description:
Sample space, events, conditional probability, independence of events, Bayes' Theorem. Basic combinatorial probability, random variables, discrete and continuous univariate and multivariate distributions. Independence of random variables. Inequalities, weak law of large numbers, central limit theorem.
Notes:
Prerequisites: MATH 141 or equivalent.
Restriction: Intended for students in Science, Engineering and related disciplines, who have had differential and integral calculus
Restriction: Not open to students who have taken or are taking MATH 356
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 324
Credit Weight: 3
Transcript Title: Statistics
Calendar Title: Statistics.
Description:
Sampling distributions, point and interval estimation, hypothesis testing, analysis of variance, contingency tables, nonparametric inference, regression, Bayesian inference.
Notes:
Fall and Winter
Prerequisite: MATH 323 or equivalent
Restriction: Not open to students who have taken or are taking MATH 357
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 325
Credit Weight: 3
Transcript Title: Honours ODE's
Calendar Title: Honours Ordinary Differential Equations.
Description:
First and second order equations, linear equations, series solutions, Frobenius method, introduction to numerical methods and to linear systems, Laplace transforms, applications.
Notes:
Fall and Winter
(3-0-6)
Prerequisite: MATH 222.
Restriction: Intended for Honours Mathematics, Physics and Engineering programs.
Restriction: Not open to students who have taken MATH 263 (formerly MATH 261), MATH 315
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
MATH 326
Credit Weight: 3
Transcript Title: Nonlinear Dynamics and Chaos
Calendar Title: Nonlinear Dynamics and Chaos.
Description:
Linear systems of differential equations, linear stability theory. Nonlinear systems: existence and uniqueness, numerical methods, one and two dimensional flows, phase space, limit cycles, Poincare-Bendixson theorem, bifurcations, Hopf bifurcation, the Lorenz equations and chaos.
Notes:
Fall
Prerequisites: MATH 222, MATH 223
Restriction: Not open to students who have taken or are taking MATH 376
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 327
Credit Weight: 3
Transcript Title: Matrix Numerical Analysis
Calendar Title: Matrix Numerical Analysis.
Description:
An overview of numerical methods for linear algebra applications and their analysis. Problem classes include linear systems, least squares problems and eigenvalue problems.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisites: MATH 223 or MATH 236 or MATH 247 or MATH 251, COMP 202 or consent of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 329
Credit Weight: 3
Transcript Title: Theory of Interest
Calendar Title: Theory of Interest.
Description:
Simple and compound interest, annuities certain, amortization schedules, bonds, depreciation.
Notes:
Winter
Prerequisite: MATH 141
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 335
Credit Weight: 3
Transcript Title: Computational Algebra
Calendar Title: Computational Algebra.
Description:
Computational aspects of modern algebra. Computing in groups: algorithms,
algorithmic problems in groups, finitely generated abelian groups, free groups and automata, finitely presented groups. Computing in rings: elementary notions of ring theory, ideals of polynomial rings in several variables, Groebner bases, elements of field theory.

Symbols: ALTY - Taught in alternate years

Notes:
Prerequisites: MATH 235 and MATH 236.
Note: This course is intended primarily for students in the Major Program in Mathematics and the Joint Major Program in Mathematics and Computer Science.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 338
Credit Weight: 3
Transcript Title: History & Philosophy of Math
Calendar Title: History and Philosophy of Mathematics.
Description:
Egyptian, Babylonian, Greek, Indian and Arab contributions to mathematics are studied together with some modern developments they give rise to, for example, the problem of trisecting the angle. European mathematics from the Renaissance to the 18th century is discussed, culminating in the discovery of the infinitesimal and integral calculus by Newton and Leibnitz. Demonstration of how mathematics was done in past centuries, and involves the practice of mathematics, including detailed calculations, arguments based on geometric reasoning, and proofs.

Notes:
Fall
Prerequisites: MATH 133, MATH 141.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 340
Credit Weight: 3
Transcript Title: Discrete Mathematics
Calendar Title: Discrete Mathematics.
Description:

Notes:
Winter
Prerequisites: MATH 235 or MATH 240 or MATH 242.
Corequisites: MATH 223 or MATH 236.
Restriction: Restriction: Not open to students who have taken or are taking MATH 350.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 346
Credit Weight: 3
Transcript Title: Number Theory
Calendar Title: Number Theory.
Description:
Symbols: ALTY - Taught in alternate years

Notes:
Winter

Prerequisite: MATH 235 or consent of instructor

Restriction: Not open to students who have taken or are taking MATH 377.

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics

Status (catalog level): Active

MATH 348
Credit Weight: 3
Transcript Title: Euclidean Geometry
Calendar Title: Euclidean Geometry.

Description:

Notes:
Prerequisite: MATH 133 or equivalent or permission of instructor.

Restriction: Not open to students who have taken MATH 398.

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics

Status (catalog level): Active

MATH 350
Credit Weight: 3
Transcript Title: Honours Discrete Mathematics
Calendar Title: Honours Discrete Mathematics.

Description:
Discrete mathematics. Graph Theory: matching theory, connectivity, planarity, and colouring; graph minors and extremal graph theory. Combinatorics: combinatorial methods, enumerative and algebraic combinatorics, discrete probability.

Notes:
Prerequisites: MATH 235 or MATH 240 and MATH 251 or MATH 223.

Restrictions: Not open to students who have taken or are taking MATH 340.

Intended for students in mathematics or computer science honours programs.

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics

Status (catalog level): Active

MATH 352
Credit Weight: 1
Transcript Title: Problem Seminar
Calendar Title: Problem Seminar.

Description:
Seminar in Mathematical Problem Solving. The problems considered will be of the type that occur in the Putnam competition and in other similar mathematical competitions.

Symbols: PRMT - Requires departmental approval

Notes:
Prerequisite: Enrolment in a math related program or permission of the instructor. Requires departmental approval.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level):  Active

MATH 356
Credit Weight: 3
Transcript Title: Honours Probability
Calendar Title: Honours Probability.
Description:
Notes:
Fall
Prerequisite(s): MATH 243 or MATH 255, and MATH 222 or permission of the Department.
Restriction: Not open to students who have taken or are taking MATH 323

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level):  Active

MATH 357
Credit Weight: 3
Transcript Title: Honours Statistics
Calendar Title: Honours Statistics.
Description:
Notes:
Winter
Prerequisite: MATH 356 or equivalent
Restriction: Not open to students who have taken or are taking MATH 324

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level):  Active

MATH 358
Credit Weight: 3
Transcript Title: Honours Advanced Calculus
Calendar Title: Honours Advanced Calculus.
Description:
Notes:
Prerequisites: MATH 222, MATH 247 or MATH 251, MATH 255 or permission of the Department.
Restrictions: Intended for students in Honours Mathematics programs, Not open to students who have taken or are taking MATH 314 or MATH 248
MATH 365
Credit Weight: 3
Transcript Title: Honours Groups, Tilings & Algorithms
Calendar Title: Honours Groups, Tilings and Algorithms.
Description:
Notes:
Prerequisite: MATH 235
Restrictions: Not open to students who have taken or are taking MATH 335.

MATH 376
Credit Weight: 3
Transcript Title: Honours Nonlinear Dynamics
Calendar Title: Honours Nonlinear Dynamics.
Description:
This course consists of the lectures of MATH 326, but will be assessed at the honours level.
Notes:
Fall
Prerequisites: MATH 222, MATH 223
Restrictions: Intended primarily for Honours students. Not open to students who have taken or are taking MATH 326.
Note: Additionally, a special project or projects may be assigned.

MATH 377
Credit Weight: 3
Transcript Title: Honours Number Theory
Calendar Title: Honours Number Theory.
Description:
This course consists of the lectures of MATH 346, but will be assessed at the honours level.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisite: Enrolment in Mathematics Honours program or consent of instructor
Restriction: Not open to students who have taken or are taking MATH 346.
Note: Additionally, a special project or projects may be assigned.
Credit Weight: 3
Transcript Title: Nonlinear Optimization
Calendar Title: Nonlinear Optimization.
Description:
Notes:
Prerequisites: MATH 223 or MATH 247 or MATH 236 or MATH 251. MATH 248 or MATH 314 or MATH 358. MATH 243 or MATH 255.
Not open to students who have taken MATH 560.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 387
Credit Weight: 3
Transcript Title: Honours Numerical Analysis
Calendar Title: Honours Numerical Analysis.
Description:
Symbols: ALTY - Taught in alternate years
Notes:
Taught in alternate years
Winter (even years)
Prerequisites: MATH 325 or MATH 315, COMP 202 or permission of instructor.
Corequisites: MATH 255 or MATH 243.
Restriction: Intended primarily for Honours students.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.
Notes:
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-co
ourses for more information about available projects and application forms and procedures.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 397**
**Credit Weight:** 3  
**Transcript Title:** Honours Matrix Numerical Analysis  
**Calendar Title:** Honours Matrix Numerical Analysis.  
**Description:** The course consists of the lectures of MATH 327 plus additional work involving theoretical assignments and/or a project. The final examination for this course may be different from that of MATH 327.  
**Symbols:** ALTY - Taught in alternate years  
**Notes:** Winter  
**Prerequisites:** MATH 251 or MATH 247, COMP 202 or permission of the instructor.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 398**
**Credit Weight:** 3  
**Transcript Title:** Honours Euclidean Geometry  
**Calendar Title:** Honours Euclidean Geometry.  
**Notes:** Prerequisite: MATH 133 or equivalent or permission of instructor.  
**Restrictions:** Not open to students taking or have take MATH 348.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 410**
**Credit Weight:** 3  
**Transcript Title:** Majors Project  
**Calendar Title:** Majors Project.  
**Description:** A supervised project.  
**Symbols:** PRMT - Requires departmental approval  
**Notes:** Prerequisite: Students must have 21 completed credits of the required mathematics courses in their program, including all required 200 level mathematics courses. Requires departmental approval.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 417**
**Credit Weight:** 3  
**Transcript Title:** Linear Optimization  
**Calendar Title:** Linear Optimization.
Description:
An introduction to linear optimization and its applications: Duality theory, fundamental theorem, sensitivity analysis, convexity, simplex algorithm, interior-point methods, quadratic optimization, applications in game theory.

Notes:
Prerequisites: COMP 202, and MATH 223 or MATH 236, and MATH 314 or equivalent
Restriction: Not open to students who have taken or are taking MATH 487 or MATH 517.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 420
Credit Weight: 3
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description:
Reading projects permitting independent study under the guidance of a staff member specializing in a subject where no appropriate course is available. Arrangements must be made with an instructor and the Chair before registration.
Notes:
Fall and Winter and Summer
Requires approval by the chair before registration
Please see regulations concerning Project Courses under Faculty Degree Requirements

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 423
Credit Weight: 3
Transcript Title: Applied Regression
Calendar Title: Applied Regression.
Description:
Notes:
Fall
Prerequisites: MATH 324, and MATH 223 or MATH 236

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 427
Credit Weight: 3
Transcript Title: Statistical Quality Control
Calendar Title: Statistical Quality Control.
Description:
Introduction to quality management; variability and productivity. Quality measurement: capability analysis, gauge capability studies. Process control: control charts for variables and attributes. Process improvement: factorial designs, fractional replications, response surface methodology, Taguchi methods. Acceptance sampling: operating characteristic curves; single, multiple and
sequential acceptance sampling plans for variables and attributes.

Notes:
Prerequisites: MATH 203 or equivalent, and MATH 204 or MATH 324.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 430
Credit Weight: 3
Transcript Title: Mathematical Finance
Calendar Title: Mathematical Finance.
Description: Introduction to concepts of price and hedge derivative securities. The following concepts will be studied in both concrete and continuous time: filtrations, martingales, the change of measure technique, hedging, pricing, absence of arbitrage opportunities and the Fundamental Theorem of Asset Pricing.

Notes:
Prerequisite(s): MATH 243 or MATH 255, and MATH 323 or MATH 356, and MATH 133 or equivalent.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 437
Credit Weight: 3
Transcript Title: Mathematical Meth in Biology
Calendar Title: Mathematical Methods in Biology.
Description: The formulation and treatment of realistic mathematical models describing biological phenomena through qualitative and quantitative mathematical techniques (e.g. local and global stability theory, bifurcation analysis and phase plane analysis) and numerical simulation. Concrete and detailed examples will be drawn from molecular and cellular biology and mammalian physiology.

Notes:
This course is offered in the winter semester.
Prerequisite(s): MATH 315 or MATH 325, and MATH 326 or MATH 376, and COMP 202 or COMP 204 or COMP 208 or equivalent.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 447
Credit Weight: 3
Transcript Title: Intro. to Stochastic Processes
Calendar Title: Introduction to Stochastic Processes.

Notes:
Winter
Prerequisite: MATH 323
Restriction: Not open to students who have taken or are taking MATH 547.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active
MATH 454
Credit Weight: 3
Transcript Title: Honours Analysis 3
Calendar Title: Honours Analysis 3.
Description:
Notes:
Prerequisite: MATH 255 or equivalent.
Restriction: Not open to students who have taken MATH 354.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 455
Credit Weight: 3
Transcript Title: Honours Analysis 4
Calendar Title: Honours Analysis 4.
Description:
Notes:
Prerequisite: MATH 454 or equivalent.
Restriction(s): Not open to students who have taken MATH 355.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 456
Credit Weight: 3
Transcript Title: Honours Algebra 3
Calendar Title: Honours Algebra 3.
Description:
Introduction to monoids, groups, permutation groups; the isomorphism theorems for groups; the theorems of Cayley, Lagrange and Sylow; structure of groups of low order. Introduction to ring theory; integral domains, fields, quotient field of an integral domain; polynomial rings; unique factorization domains.
Notes:
Prerequisites: MATH 235 and either (MATH 247 or MATH 251).
Restriction: Not open to students who have taken MATH 370.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 457
Credit Weight: 3
Transcript Title: Honours Algebra 4
Calendar Title: Honours Algebra 4.
Description:
Introduction to modules and algebras; finitely generated modules over a principal
ideal domain. Field extensions; finite fields; Galois groups; the fundamental
theorem of Galois theory; application to the classical problem of solvability by
radicals.

Notes:
Prerequisite: MATH 456 or equivalent
Restriction(s): Not open to students who have taken MATH 371.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 458
Credit Weight: 3
Transcript Title: Honours Differential Geometry
Calendar Title: Honours Differential Geometry.
Description:
In addition to the topics of MATH 320, topics in the global theory of plane and
space curves, and in the global theory of surfaces are presented. These include:
total curvature and the Fary-Milnor theorem on knotted curves, abstract surfaces
as 2-d manifolds, the Euler characteristic, the Gauss-Bonnet theorem for surfaces.

Notes:
Prerequisites: MATH 251 or MATH 247, and MATH 248 or MATH 314 or MATH 358
Restriction: Not open to students who have taken MATH 380.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 462
Credit Weight: 3
Transcript Title: Hon. Math for Machine Learning
Calendar Title: Honours Mathematics for Machine Learning.
Description:
Foundations of optimization and convex analysis, stochastic gradient descent.
Divergences, loss functions, empirical loss minimization and parameter estimation.
Reproducing kernel Hilbert spaces. Multiple linear regression in the context of
machine learning. Classification with support vector machines. Dimensionality
reduction, Johnson-Lindenstrauss Lemma. Concentration of measure and learning
bounds.

Notes:
Prerequisites: MATH 236, MATH 247, MATH 251, or equivalent. MATH248, MATH 314, or
MATH 358. MATH 324 or MATH 357.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 463
Credit Weight: 3
Transcript Title: Convex Optimization
Calendar Title: Convex Optimization.
Description:
Introduction to convex analysis and convex optimization: Convex sets and
functions, subdifferential calculus, conjugate functions, Fenchel duality,
proximal calculus. Subgradient methods, proximal-based methods. Conditional
gradient method, ADMM. Applications including data classification, network-flow
problems, image processing, convex feasibility problems, DC optimization, sparse
optimization, and compressed sensing.

Notes:
Prerequisites: MATH 223 or MATH 247 or MATH 236 or MATH 251. MATH 248 or MATH 314
or MATH 358. MATH 243 or MATH 255. COMP 202 or COMP 204 or COMP 208 or equivalent.
Restriction: Not open to students who have taken or are taking MATH 563.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 466
Credit Weight: 3
Transcript Title: Honours Complex Analysis
Calendar Title: Honours Complex Analysis.
Description:
Notes:
Prerequisite: MATH 255.
Restriction: Not open to students who have taken or are taking MATH 366, MATH 249, MATH 316 and MATH 381.

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 470
Credit Weight: 3
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
The project will contain a significant research component that requires substantial independent work consisting of a written report and oral examination or presentation.
Notes:
Fall and Winter and Summer
Requires Departmental Approval
Students are advised to start contacting potential project supervisors early during their U2 year.
Prerequisite: appropriate honours courses with approval of the project supervisor

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 470D1
Credit Weight: 1.5
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description:
The project will contain a significant research component that requires substantial independent work consisting of a written report and oral examination or presentation.
Notes:
Prerequisite: appropriate honours courses with approval of the project supervisor
Requires Departmental Approval.
Please see regulations concerning Project Courses under Faculty Degree Requirements.
Students are advised to start contacting potential project supervisors early during their U2 year.
Students must register for both MATH 470D1 and MATH 470D2. No credit will be given for this course unless both MATH 470D1 and MATH 470D2 are successfully completed in consecutive terms. MATH 470D1 and MATH 470D2 together are equivalent to MATH 470.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 470D2
Credit Weight: 1.5
Transcript Title: Honours Research Project
Calendar Title: Honours Research Project.
Description: See MATH 470D1 for course description.
Notes: Prerequisite: MATH 470D1
No credit will be given for this course unless both MATH 470D1 and MATH 470D2 are successfully completed in consecutive terms. MATH 470D1 and MATH 470D2 together are equivalent to MATH 470.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 475
Credit Weight: 3
Transcript Title: Honours PDE's
Calendar Title: Honours Partial Differential Equations.
Description: First order partial differential equations, geometric theory, classification of second order linear equations, Sturm-Liouville problems, orthogonal functions and Fourier series, eigenfunction expansions, separation of variables for heat, wave and Laplace equations, Green's function methods, uniqueness theorems.
Notes: Prerequisites: MATH 247 or MATH 251 or equivalent, and MATH 248 or MATH 358 or equivalent, MATH 325. Restriction: Not open to students who have taken or are taking MATH 319.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 478
Credit Weight: 3
Transcript Title: Comput. Meth. in Applied Math
Calendar Title: Computational Methods in Applied Mathematics.
Notes: Prerequisites: MATH 315 or MATH 325 or MATH 263; MATH 317 or MATH 387 or COMP 350 or MECH 309; or permission of the instructor.
This course will be taught in the winter semester.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 480**  
**Credit Weight:** 3  
**Transcript Title:** Honours Independent Study  
**Calendar Title:** Honours Independent Study.  
**Description:**  
Reading projects permitting independent study under the guidance of a staff member specializing in a subject where no appropriate course is available. Arrangements must be made with an instructor and the Chair before registration.  
**Notes:**  
Fall and Winter and Summer  
Please see regulations concerning Project Courses under Faculty Degree Requirements  
Requires approval by the chair before registration

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 488**  
**Credit Weight:** 3  
**Transcript Title:** Honours Set Theory  
**Calendar Title:** Honours Set Theory.  
**Description:**  
Axioms of set theory, ordinal and cardinal arithmetic, consequences of the axiom of choice, models of set theory, constructible sets and the continuum hypothesis, introduction to independence proofs.  
**Symbols:** ALTY – Taught in alternate years  
**Notes:**  
Fall  
Prerequisites: MATH 251 or MATH 255 or permission of instructor  
Restrictions : Not open to students who have taken or are taking MATH 590.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 517**  
**Credit Weight:** 4  
**Transcript Title:** Honours Linear Optimization  
**Calendar Title:** Honours Linear Optimization.  
**Description:**  
Honours level introduction to linear optimization and its applications: duality theory, fundamental theorem, sensitivity analysis, convexity, simplex algorithm, interiorpoint methods, quadratic optimization, applications in game theory.  
**Notes:**  
Prerequisites: COMP 202, and MATH 223 or MATH 236 and MATH 314 or equivalent.  
Restrictions: Not open to students who have taken or are taking MATH 417 or MATH 487.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Mathematics and Statistics  
**Status (catalog level):** Active

**MATH 518**
Credit Weight: 4
Transcript Title: Intro to Algebraic Geometry
Calendar Title: Introduction to Algebraic Geometry.
Description:
Notes:
Prerequisites: MATH 456 or permission of the instructor.
1. Some familiarity with rings, ideals, and multivariable calculus is expected.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 523
Credit Weight: 4
Transcript Title: Generalized Linear Models
Calendar Title: Generalized Linear Models.
Description:
Notes:
Winter
Prerequisite: MATH 423 or MATH 533 or EPIB 697.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 524
Credit Weight: 4
Transcript Title: Nonparametric Statistics
Calendar Title: Nonparametric Statistics.
Description:
Notes:
Fall
Prerequisite: MATH 324 or equivalent
Restriction: Not open to students who have taken MATH 424

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 525
Credit Weight: 4
Transcript Title: Sampling Theory & Applications
Calendar Title: Sampling Theory and Applications.
Description:
Simple random sampling, domains, ratio and regression estimators, superpopulation models, stratified sampling, optimal stratification, cluster sampling, sampling with unequal probabilities, multistage sampling, complex surveys, nonresponse.

Notes:
Prerequisite: MATH 324 or equivalent
Restriction: Not open to students who have taken MATH 425

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 527D1
Credit Weight: 3
Transcript Title: Stat. Data Science Practicum
Calendar Title: Statistical Data Science Practicum.
Description:
The holistic skills required for doing statistical data science in practice. Data science life cycle from a statistics-centric perspective and from the perspective of a statistician working in the larger data science environment. Group-based projects with industry, government, or university partners. Statistical collaboration and consulting conducted in coordination with the Data Science Solutions Hub (DaS^2H) of the Computational and Data Systems Initiative (CDSI).

Notes:
Prerequisites: MATH 324; MATH 223 ; MATH 208
Corequisites: MATH 423
No credit will be given for this course unless both MATH 527D1 and MATH527D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 527D2
Credit Weight: 3
Transcript Title: Stat. Data Science Practicum
Calendar Title: Statistical Data Science Practicum.
Description:
See MATH 527D1 for course description.

Notes:
Prerequisites: MATH 324; MATH 223 ; MATH 208
Corequisites: MATH 423
No credit will be given for this course unless both MATH 527D1 and MATH 527D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 533
Credit Weight: 4
Transcript Title: Regression and ANOVA
Calendar Title: Regression and Analysis of Variance.
Description:
Multivariate normal and chi-squared distributions; quadratic forms. Multiple linear regression estimators and their properties. General linear hypothesis tests. Prediction and confidence intervals. Asymptotic properties of least squares estimators. Weighted least squares. Variable selection and regularization. Selected advanced topics in regression. Applications to experimental and
observational data.

Notes:
Prerequisitses: MATH 357, MATH 247 or MATH 251.

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics

Status (catalog level): Active

MATH 537
Credit Weight: 4

Transcript Title: Honours Math Models in Biology

Calendar Title: Honours Mathematical Models in Biology.

Description:
The formulation and treatment of realistic mathematical models describing biological phenomena through such qualitative and quantitative mathematical techniques as local and global stability theory, bifurcation analysis, phase plane analysis, and numerical simulation. Concrete and detailed examples will be drawn from molecular, cellular and population biology and mammalian physiology.

Notes:
Prerequisite(s): MATH 325, MATH 376, and COMP 202 or COMP 204 or COMP 208 or equivalent.

Restriction(s): Not open to students who have taken MATH 437.

This course is offered in the winter semester.

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics

Status (catalog level): Active

MATH 540
Credit Weight: 4

Transcript Title: Life Actuarial Mathematics

Calendar Title: Life Actuarial Mathematics.

Description:
Life tables and distributions; force of mortality; premium, net premium, and reserve valuation for life insurance and annuity contracts (discrete and continuous case); cash flow analysis for portfolios of life insurance and annuities; asset liability management; numerical techniques for multiple decrement and state models; portfolio valuation of aggregate risks.

Notes:
Prerequisites: MATH 323 or equivalent and MATH 329

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics

Status (catalog level): Inactive

MATH 541
Credit Weight: 4

Transcript Title: Nonlife Actuarial Models

Calendar Title: Nonlife Actuarial Models.

Description:
Stochastic models and inference for loss severity and claim frequency distributions; computational techniques for the aggregation of independent risks (Panjer's algorithm, FFT, etc.); risk measures and quantitative risk management applications; models and inference for multivariate data, heavy-tail distributions, and extremes; dynamic risk models based on stochastic processes and ruin theory.

Notes:
Prerequisites: MATH 323 and MATH 324 or equivalent

Administering Faculty: Faculty of Science

Teaching Department: Mathematics and Statistics
Status (catalog level): Inactive

MATH 545
Credit Weight: 4
Transcript Title: Intro to Time Series Analysis
Calendar Title: Introduction to Time Series Analysis.
Description: Stationary processes; estimation and forecasting of ARMA models; non-stationary and seasonal models; state-space models; financial time series models; multivariate time series models; introduction to spectral analysis; long memory models.
Notes: Prerequisite: MATH 324 or MATH 357 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 547
Credit Weight: 4
Transcript Title: Stochastic Processes
Calendar Title: Stochastic Processes.
Notes: Prerequisites: MATH 356 and either MATH 247 or MATH 251. Restriction: Not open to students who have taken or are taking MATH 447.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 550
Credit Weight: 4
Transcript Title: Combinatorics
Calendar Title: Combinatorics.
Symbols: ALTY - Taught in alternate years
Notes: Intended primarily for honours and graduate students in mathematics. Restriction: Permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 552
Credit Weight: 4
Transcript Title: Combinatorial Optimization
Calendar Title: Combinatorial Optimization.
Description: Algorithmic and structural approaches in combinatorial optimization with a focus
upon theory and applications. Topics include: polyhedral methods, network optimization, the ellipsoid method, graph algorithms, matroid theory and submodular functions.

Notes:
Prerequisite: MATH 350 or COMP 362 (or equivalent).
Restriction: Not open to students who have taken or are taking COMP 552.

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 553
Credit Weight: 4
Transcript Title: Algorithmic Game Theory
Calendar Title: Algorithmic Game Theory.
Description:
Notes:
Prerequisite: COMP 362 or MATH 350 or MATH 454 or MATH 487, or instructor permission.
Restriction: Not open to students who are taking or have taken COMP 553

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 555
Credit Weight: 4
Transcript Title: Fluid Dynamics
Calendar Title: Fluid Dynamics.
Description:
Kinematics. Dynamics of general fluids. Inviscid fluids, Navier-Stokes equations. Exact solutions of Navier-Stokes equations. Low and high Reynolds number flow.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
Prerequisite (Undergraduate): MATH 315 and MATH 319 or equivalent

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 556
Credit Weight: 4
Transcript Title: Mathematical Statistics 1
Calendar Title: Mathematical Statistics 1.
Description:
Notes:
Fall
Prerequisite: MATH 357 or equivalent

Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 557
Credit Weight: 4
Transcript Title: Mathematical Statistics 2
Calendar Title: Mathematical Statistics 2.
Description: Sampling theory (including large-sample theory). Likelihood functions and
information matrices. Hypothesis testing, estimation theory. Regression and
correlation theory.
Notes: Winter
Prerequisite: MATH 556
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 558
Credit Weight: 4
Transcript Title: Design of Experiments
Calendar Title: Design of Experiments.
Description: Introduction to concepts in statistically designed experiments. Randomization and
replication. Completely randomized designs. Simple linear model and analysis
of variance. Introduction to blocking. Orthogonal block designs. Models and
analysis for block designs. Factorial designs and their analysis. Row-column
designs. Latin squares. Model and analysis for fixed row and column effects.
Split-plot designs, model and analysis. Relations and operations on factors.
Orthogonal factors. Orthogonal decomposition. Orthogonal plot structures. Hasse
diagrams. Applications to real data and ethical issues.
Notes: Prerequisites: MATH 223, MATH 236, MATH 247, MATH 251, or equivalent. MATH 208 or
equivalent. MATH 324, MATH 357, or equivalent.
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 559
Credit Weight: 4
Transcript Title: Bayesian Theory and Methods
Calendar Title: Bayesian Theory and Methods.
Description: Subjective probability, Bayesian statistical inference and decision making, de
Finetti’s representation. Bayesian parametric methods, optimal decisions,
conjugate models, methods of prior specification and elicitation, approximation
methods. Hierarchical models. Computational approaches to inference, Markov
Notes: Prerequisite: MATH 324, MATH 357, MATH 557, or equivalent, and MATH 208 or
equivalent.
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 562
Credit Weight: 4
Transcript Title: Theory of Machine Learning
Calendar Title: Theory of Machine Learning
Description:
Concentration inequalities, PAC model, VC dimension, Rademacher complexity, convex optimization, gradient descent, boosting, kernels, support vector machines, regression and learning bounds. Further topics selected from: Gaussian processes, online learning, regret bounds, basic neural network theory.
Notes:
Prerequisites: MATH 462 or COMP 451 or (COMP 551, MATH 222, MATH 223 and MATH 324) or ECSE 551.
Restrictions: Not open to students who have taken or are taking COMP 562. Not open to students who have taken COMP 599 when the topic was "Statistical Learning Theory" or "Mathematical Topics for Machine Learning". Not open to students who have taken COMP 598 when the topic was "Mathematical Foundations of Machine Learning".
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 563
Credit Weight: 4
Transcript Title: Honours Convex Optimization
Calendar Title: Honours Convex Optimization
Description:
Notes:
Prerequisites: MATH 223 or MATH 247 or MATH 236 or MATH 251. MATH 248 or MATH 314 or MATH 358. MATH 243 or MATH 255. COMP 202 or COMP 204 or COMP 208 or equivalent.
Restriction: Not open to students who have taken or are taking MATH 463.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 564
Credit Weight: 4
Transcript Title: Advanced Real Analysis 1
Calendar Title: Advanced Real Analysis 1
Description:
Review of theory of measure and integration; product measures, Fubini's theorem; Lp spaces; basic principles of Banach spaces; Riesz representation theorem for C(X); Hilbert spaces; part of the material of MATH 565 may be covered as well.
Notes:
Fall
Prerequisites: MATH 454, MATH 455 or equivalents
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 565
Credit Weight: 4
Transcript Title: Advanced Real Analysis 2
Calendar Title: Advanced Real Analysis 2.
Description:
Continuation of topics from MATH 564. Signed measures, Hahn and Jordan
decompositions. Radon-Nikodym theorems, complex measures, differentiation in R^n,
Fourier series and integrals, additional topics.
Notes:
Winter
Prerequisite: MATH 564
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 566
Credit Weight: 4
Transcript Title: Advanced Complex Analysis
Calendar Title: Advanced Complex Analysis.
Description:
Simple connectivity, use of logarithms; argument, conservation of domain and
maximum principles; analytic continuation, monodromy theorem; conformal mapping;
normal families, Riemann mapping theorem; harmonic functions, Dirichlet problem;
introduction to functions of several complex variables.
Notes:
Fall
Prerequisites: MATH 366 (or MATH 466), MATH 564.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 567
Credit Weight: 4
Transcript Title: Intro to Functional Analysis
Calendar Title: Introduction to Functional Analysis.
Description:
Banach and Hilbert spaces, theorems of Hahn-Banach and Banach-Steinhaus, open
mapping theorem, closed graph theorem, Fredholm theory, spectral theorem for
compact self-adjoint operators, spectral theorem for bounded self-adjoint
operators.
Notes:
Prerequisite: MATH 455 or equivalent.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 570
Credit Weight: 4
Transcript Title: Higher Algebra 1
Calendar Title: Higher Algebra 1.
Description:
Review of group theory; free groups and free products of groups. Sylow theorems.
The category of R-modules; chain conditions, tensor products, flat, projective and
injective modules. Basic commutative algebra; prime ideals and localization,
Hilbert Nullstellensatz, integral extensions. Dedekind domains. Part of the
material of MATH 571 may be covered as well.
Notes:
Fall
Prerequisite: MATH 457 or equivalent
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 571
Credit Weight: 4
Transcript Title: Higher Algebra 2
Calendar Title: Higher Algebra 2.
Description:
Completion of the topics of MATH 570. Rudiments of algebraic number theory. A deeper study of field extensions; Galois theory, separable and regular extensions. Semi-simple rings and modules. Representations of finite groups.
Notes:
Winter
Prerequisites: MATH 570 or consent of instructor
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 574
Credit Weight: 4
Transcript Title: Dynamical Systems
Calendar Title: Dynamical Systems.
Description:
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisites: MATH 325 and MATH 454 or permission of the instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 576
Credit Weight: 4
Transcript Title: Geometry & Topology 1
Calendar Title: Geometry and Topology 1.
Description:
Basic point-set topology, including connectedness, compactness, product spaces, separation axioms, metric spaces. The fundamental group and covering spaces. Simplicial complexes. Singular and simplicial homology. Part of the material of MATH 577 may be covered as well.
Notes:
Fall
Prerequisite: MATH 454
Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 577
Credit Weight: 4
Transcript Title: Geometry & Topology 2
Calendar Title: Geometry and Topology 2.
Description:
Basic properties of differentiable manifolds, tangent and cotangent bundles, differential forms, de Rham cohomology, integration of forms, Riemannian metrics, geodesics, Riemann curvature.
Notes:
Winter
Prerequisite: MATH 576
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 578
Credit Weight: 4
Transcript Title: Numerical Analysis 1
Calendar Title: Numerical Analysis 1.
Description:
Development, analysis and effective use of numerical methods to solve problems arising in applications. Topics include direct and iterative methods for the solution of linear equations (including preconditioning), eigenvalue problems, interpolation, approximation, quadrature, solution of nonlinear systems.
Notes:
Fall
Prerequisites: MATH 247 or MATH 251; and MATH 387; or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 579
Credit Weight: 4
Transcript Title: Numerical Differential Eqns
Calendar Title: Numerical Differential Equations.
Description:
Numerical solution of initial and boundary value problems in science and engineering: ordinary differential equations; partial differential equations of elliptic, parabolic and hyperbolic type. Topics include Runge Kutta and linear multistep methods, adaptivity, finite elements, finite differences, finite volumes, spectral methods.
Notes:
Winter
Prerequisites: MATH 475 and MATH 387 or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 580
Credit Weight: 4
Transcript Title: Advanced PDEs 1
Calendar Title: Advanced Partial Differential Equations 1.
Description:
Classification and wellposedness of linear and nonlinear partial differential equations; energy methods; Dirichlet principle. Brief introduction to distributions; weak derivatives. Fundamental solutions and Green's functions for Poisson equation, regularity, harmonic functions, maximum principle.

Notes:

Fall
Prerequisites: MATH 475 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 581
Credit Weight: 4
Transcript Title: Advanced PDEs 2
Calendar Title: Advanced Partial Differential Equations 2
Description:

Notes:
Winter
Prerequisite(s): MATH 455 or equivalent, MATH 580.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 582
Credit Weight: 4
Transcript Title: Algebraic Topology
Calendar Title: Algebraic Topology.
Description:

Notes:
Prerequisite: MATH 576 or equivalent or permission of instructor.
Course to be taught alternate years - Winter Semester
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 583
Credit Weight: 4
Transcript Title: Geometric Group Theory
Calendar Title: Geometric Group Theory.
Description:

Notes:
Prerequisite(s): MATH 456 and MATH 576 or equivalent or permission of instructor.
Course offered alternate years in Fall.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 587
Credit Weight: 4
Transcript Title: Advanced Probability Theory 1
Calendar Title: Advanced Probability Theory 1.
Description:
Notes:
Fall
Prerequisite(s): MATH 356 and MATH 255 or MATH 243 or equivalent.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 589
Credit Weight: 4
Transcript Title: Advanced Probability Theory 2
Calendar Title: Advanced Probability Theory 2.
Description:
Characteristic functions: elementary properties, inversion formula, uniqueness, convolution and continuity theorems. Weak convergence. Central limit theorem. Additional topic(s) chosen (at discretion of instructor) from: Martingale Theory; Brownian motion, stochastic calculus.
Notes:
Winter
Prerequisites: MATH 587 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 590
Credit Weight: 4
Transcript Title: Advanced Set Theory
Calendar Title: Advanced Set Theory.
Description:
Students will attend the lectures and fulfill all the requirements of MATH 488. In addition, they will complete a project on an advanced topic agreed on with the instructor. Topics may be chosen from combinatorial set theory, Goedel's constructible sets, forcing, large cardinals and descriptive set theory.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite(s): MATH 251 or MATH 255 or permission of instructor.
Restriction: Not open to students who have taken or are taking MATH 488.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 591
Credit Weight: 4
Transcript Title: Mathematical Logic 1
Calendar Title: Mathematical Logic 1.
Description:
Propositional logic and first order logic, completeness, compactness and Löwenheim-Skolem theorems. Introduction to axiomatic set theory. Some of the following topics: introduction to model theory, Herbrand's and Gentzen's theories, Lindström's characterization of first order logic.
Symbols: ALTY - Taught in alternate years

Notes:
- Winter

Prerequisites: MATH 488 or equivalent or consent of instructor

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 592
Credit Weight: 4
Transcript Title: Mathematical Logic 2
Calendar Title: Mathematical Logic 2.
Description: Introduction to recursion theory; recursively enumerable sets, relative recursiveness. Incompleteness, undecidability and undefinability theorems of Gödel, Church, Rosser and Tarski. Some of the following topics: Turing degrees, Friedberg-Muchnik theorem, decidable and undecidable theories.
Symbols: ALTY - Taught in alternate years
Notes:
- Winter

Prerequisites: MATH 488 or equivalent or consent of instructor

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 594
Credit Weight: 4
Transcript Title: Topics in Mathematics&Stats
Calendar Title: Topics in Mathematics and Statistics.
Description: This course covers a topic in mathematics and/or statistics.
Notes:
- Prerequisites: At least 30 credits in required or complementary courses from the Honours Mathematics, Honours Applied Mathematics, or Honours Probability and Statistics programs. Additional prerequisites may be imposed by the Department of Mathematics and Statistics depending on the nature of the topic.
- Restrictions: Requires permission of the Department of Mathematics and Statistics

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 595
Credit Weight: 4
Transcript Title: Topics in Analysis
Calendar Title: Topics in Analysis.
Description: This course covers a topic in analysis.
Notes:
- Prerequisite(s): At least 30 credits in required or complementary courses from the Honours in Mathematics program including MATH 454 or MATH 366 or MATH 466. Additional prerequisites may be imposed by the Department of Mathematics and Statistics depending on the nature of the topic.
- Restriction: Requires permission of the Department of Mathematics and Statistics

Administrating Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active
MATH 596
Credit Weight: 4
Transcript Title: Topics in Algebra & Num Theory
Calendar Title: Topics in Algebra and Number Theory.
Description: This course covers a topic in algebra and/or number theory.
Notes: Prerequisite(s): At least 30 credits in required or complementary courses from the Honours in Mathematics program including MATH 456 or MATH 377. Additional prerequisites may be imposed by the Department of Mathematics and Statistics depending on the nature of the topic.
Restriction(s): Requires permission of the Department of Mathematics and Statistics.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 597
Credit Weight: 4
Transcript Title: Topics in Applied Mathematics
Calendar Title: Topics in Applied Mathematics.
Description: This course covers a topic in applied mathematics.
Notes: Prerequisite(s): At least 30 credits in required or complementary courses from the Honours in Applied Mathematics program. Additional prerequisites may be imposed by the Department of Mathematics and Statistics depending on the nature of the topic.
Restriction(s): Requires permission of the Department of Mathematics and Statistics.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 598
Credit Weight: 4
Transcript Title: Topics in Probability & Stats
Calendar Title: Topics in Probability and Statistics.
Description: This course covers a topic in probability and/or statistics.
Notes: Prerequisite(s): At least 30 credits in required or complementary courses from the Honours in Probability and Statistics program including MATH 356. Additional prerequisites may be imposed by the Department of Mathematics and Statistics depending on the nature of the topic.
Restriction(s): Requires permission of the Department of Mathematics and Statistics.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 599
Credit Weight: 4
Transcript Title: Topics in Geometry & Topology
Calendar Title: Topics in Geometry and Topology.
Description:
This course covers a topic in geometry and/or topology.

Notes:
Prerequisites: At least 30 credits in required or complementary courses from the Honours in Mathematics program including MATH 454 and MATH 458. Additional prerequisites may be imposed by the Department of Mathematics and Statistics depending on the nature of the topic.
Restriction(s): Requires permission of the Department of Mathematics and Statistics.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 600
Credit Weight: 6
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description: Thesis research under supervision.
Notes: Restriction: Not open to students who have taken or are taking MATH 640

MATH 601
Credit Weight: 6
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description: Thesis research under supervision.

MATH 602
Credit Weight: 6
Transcript Title: Master's Research Preparation
Calendar Title: Master's Research Preparation.
Description: Preparatory work towards the Master's thesis.
Notes: These credits can only be used to fulfill course credit requirement in the accelerated stream - not in the regular program or in any other graduate programs in mathematics and statistics.
Restriction: Open only to students with appropriate background.

MATH 604
Credit Weight: 6
Transcript Title: Master's Thesis Research 3
Calendar Title: Master's Thesis Research 3.
Description: Thesis research under supervision.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 605
Credit Weight: 6
Transcript Title: Master's Thesis Research 4
Calendar Title: Master's Thesis Research 4.
Description: Thesis research under supervision.

MATH 635
Credit Weight: 4
Transcript Title: Functional Analysis 1
Calendar Title: Functional Analysis 1.
Notes: Prerequisite: MATH 564, MATH 565, and MATH 566

MATH 640
Credit Weight: 8
Transcript Title: Project 1
Calendar Title: Project 1.
Description: Project research under supervision.
Notes: Restriction: Not open to students who have taken or are taking MATH 600

MATH 641
Credit Weight: 8
Transcript Title: Project 2
Calendar Title: Project 2.
Description: Project research under supervision.

MATH 666
Credit Weight: 2
Transcript Title: Seminar Math & Stats 1
Calendar Title: Seminar Mathematics and Statistics 1.
Description: Study on an advanced topic in mathematics or statistics.
Notes:
Restriction: Departmental approval required.

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 667
Credit Weight: 2
Transcript Title: Seminar Math & Stats 2
Calendar Title: Seminar Mathematics and Statistics 2.
Description:
Study on an advanced topic in mathematics or statistics.
Notes:
Restriction: Departmental approval required.

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 669D1
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: CSE Seminar.
Description:
Techniques and applications in computational science and engineering.
Notes:
Restriction: This seminar course is open only to students who were admitted to the CSE Program Option.
No credit will be given for this course unless both MATH 669D1 and MATH 669D2 are successfully completed in consecutive terms
Students must register for both MATH 669D1 and MATH 669D2

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 669D2
Credit Weight: 0.5
Transcript Title: CSE Seminar
Calendar Title: CSE Seminar.
Description:
See MATH 669D1 for course description.
Notes:
Prerequisite: MATH 669D1
No credit will be given for this course unless both MATH 669D1 and MATH 669D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 671
Credit Weight: 4
Transcript Title: Applied Stochastic Processes
Calendar Title: Applied Stochastic Processes.
Description:
Discrete parameter Markov chains, including branching processes and random walks.
Limit theorems and ergodic properties of Markov chains. Continuous parameter
Markov chains, including birth and death process. Topics selected from the
following areas: renewal processes, Brownian motion, statistical inference for
stochastic processes.

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Mathematics and Statistics  
**Status (catalog level)**: Active

**MATH 680**  
**Credit Weight**: 4  
**Transcript Title**: Computation Intensive Stats  
**Calendar Title**: Computation Intensive Statistics.  
**Description**: General introduction to computational methods in statistics; optimization methods; EM algorithm; random number generation and simulations; bootstrap, jackknife, cross-validation, resampling and permutation; Monte Carlo methods: Markov chain Monte Carlo and sequential Monte Carlo; computation in the R language.  
**Notes**: Prerequisites: MATH 556, MATH 557 or permission of instructor

**MATH 681**  
**Credit Weight**: 4  
**Transcript Title**: Time Series Analysis  
**Calendar Title**: Time Series Analysis.  
**Description**: Linear Processes and the Wold Decomposition; positive definite operators; Autocovariance and autocovariance generating functions; model estimation and inference; estimation for mixed processes using moments and the likelihood; diagnostic checking; tests with residuals; spectral analysis; estimation of spectral density the peridogram; spectral window and tapers; asymptotic moments of spectral estimates; fractional noise and long range dependence; continuous time models.  
**Notes**: Prerequisite: MATH 545 or equivalent

**MATH 682**  
**Credit Weight**: 4  
**Transcript Title**: Statistical Inference  
**Calendar Title**: Statistical Inference.  
**Notes**: Prerequisite: MATH 141 or equivalent  
**Restrictions**: Not open to students who have taken MATH 324, MATH 357, MATH 557. Intended for graduate students working on quantitative research questions related to life sciences who have had differential and integral calculus.
MATH 685D1
Credit Weight: 2
Transcript Title: Statistical Consulting
Calendar Title: Statistical Consulting.
Description:
Statistical consultation skills; overview of widely used statistical techniques; understanding the client's problem; suggesting designs and statistical analyses; performing statistical analyses; communicating with clients orally and in writing.
Format: Simulated and real consultations with clients.
Notes:
Prerequisites: MATH 423, MATH 523, MATH 556, MATH 557. Equivalents may be substituted at instructor's discretion
Password required
Students must register for both MATH 685D1 and MATH 685D2
No credit will be given for this course unless both MATH 685D1 and MATH 685D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 685D2
Credit Weight: 2
Transcript Title: Statistical Consulting
Calendar Title: Statistical Consulting.
Description:
See MATH 685D1 for course description.
Notes:
Prerequisite: MATH 685D1
No credit will be given for this course unless both MATH 685D1 and MATH 685D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 686
Credit Weight: 4
Transcript Title: Survival Analysis
Calendar Title: Survival Analysis.
Description:
Notes:
Prerequisites: MATH 556, MATH 557 or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 687
Credit Weight: 4
Transcript Title: Reading Crse in Math Logic
Calendar Title: Reading Course in Mathematical Logic.
Description:
A highly specialized study.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 689
Credit Weight: 4
Transcript Title: Reading Crse in Algebra
Calendar Title: Reading Course in Algebra.
Description: A highly specialized study.

MATH 690
Credit Weight: 4
Transcript Title: Reading Course in Number Theory.
Calendar Title: Reading Course in Number Theory.
Description: A highly specialized study.

MATH 691
Credit Weight: 4
Transcript Title: Reading Crse in Geom./Top.
Calendar Title: Reading Course in Geometry/Topology.
Description: A highly specialized study.

MATH 693
Credit Weight: 4
Transcript Title: Reading Crse in Analysis
Calendar Title: Reading Course in Analysis.
Description: A highly specialized study.

MATH 695
Credit Weight: 4
Transcript Title: Reading Crse in Appl. Math.
Calendar Title: Reading Course in Applied Mathematics.
Description: A highly specialized study.
Transcript Title: Reading Course in Statistics  
Calendar Title: Reading Course in Statistics.  
Description:  
A highly specialized study.  
Administering Faculty: Graduate Studies  
Teaching Department: Mathematics and Statistics  
Status (catalog level): Active

MATH 698  
Credit Weight: 4  
Transcript Title: Reading Course in Probability  
Calendar Title: Reading Course in Probability.  
Description:  
A highly specialized study.  
Notes:  
Restrictions: Departmental approval required. May not be enrolled in the following level: Undergraduate. May not be enrolled in one of the following Colleges: School of Continuing Studies, Faculty of Dentistry, Faculty of Medicine.  
Administering Faculty: Graduate Studies  
Teaching Department: Mathematics and Statistics  
Status (catalog level): Active

MATH 699  
Credit Weight: 4  
Transcript Title: Reading Course in Discr. Math.  
Calendar Title: Reading Course in Discrete Mathematics.  
Description:  
A highly specialized study.  
Administering Faculty: Graduate Studies  
Teaching Department: Mathematics and Statistics  
Status (catalog level): Active

MATH 700  
Credit Weight: 0  
Transcript Title: Ph.D.Comprehensive Exam Part A  
Calendar Title: Ph.D. Comprehensive Examination Part A.  
Description:  
A written examination that must be passed by all doctoral candidates in order to continue in the doctoral program.  
Administering Faculty: Graduate Studies  
Teaching Department: Mathematics and Statistics  
Status (catalog level): Inactive

MATH 701  
Credit Weight: 0  
Transcript Title: Ph.D. Qualifying Examination  
Calendar Title: Ph.D. Qualifying Examination.  
Description:  
An oral examination that must be passed by all doctoral candidates in order to continue in the doctoral program.  
Administering Faculty: Graduate Studies  
Teaching Department: Mathematics and Statistics  
Status (catalog level): Active

MATH 704
Credit Weight: 4
Transcript Title: Advanced Topics in Math Logic
Calendar Title: Advanced Topics in Mathematical Logic.
Description:
This course covers an advanced topic in mathematical logic.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 706
Credit Weight: 4
Transcript Title: Adv Topics in Geom&Topology 1
Calendar Title: Advanced Topics in Geometry and Topology 1.
Description:
This course covers an advanced topic in geometry and topology.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 707
Credit Weight: 4
Transcript Title: Adv Topics in Geom&Topology 2
Calendar Title: Advanced Topics in Geometry and Topology 2.
Description:
This course covers an advanced topic in geometry and topology.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 720
Credit Weight: 4
Transcript Title: Advanced Topics in Algebra 1
Calendar Title: Advanced Topics in Algebra 1.
Description:
This course covers an advanced topic in some branch of algebra.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 721
Credit Weight: 4
Transcript Title: Advanced Topics in Algebra 2
Calendar Title: Advanced Topics in Algebra 2.
Description:
This course covers an advanced topic in some branch of algebra.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 722
Credit Weight: 4
Transcript Title: Adv Topics in Algebraic Geom
Calendar Title: Advanced Topics in Algebraic Geometry.
Description:
This course covers an advanced topic in some branch of algebra.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 723
Credit Weight: 4
Transcript Title: Adv Topics in Group Theory
Calendar Title: Advanced Topics in Group Theory.
Description: This course covers an advanced topic in some branch of algebra.
Administrating Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 726
Credit Weight: 4
Transcript Title: Adv Topics in Number Theory
Calendar Title: Advanced Topics in Number Theory.
Description: This course covers an advanced topic in number theory.
Administrating Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 727
Credit Weight: 4
Transcript Title: Adv Topics in Arithmetic Geom
Calendar Title: Advanced Topics in Arithmetic Geometry.
Description: This course covers an advanced topic in number theory.
Administrating Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 740
Credit Weight: 4
Transcript Title: Advanced Topics in Analysis 1
Calendar Title: Advanced Topics in Analysis 1.
Description: This course covers an advanced topic in some branch of analysis.
Administrating Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 741
Credit Weight: 4
Transcript Title: Advanced Topics in Analysis 2
Calendar Title: Advanced Topics in Analysis 2.
Description: This course covers an advanced topic in some branch of analysis.
Administrating Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 742
Credit Weight: 4
Transcript Title: Adv Topics in Math Physics
Calendar Title: Advanced Topics in Mathematical Physics.
Description:
This course covers an advanced topic in some branch of analysis.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 743
Credit Weight: 4
Transcript Title: Adv Topics in Micro Analysis
Calendar Title: Advanced Topics in Microlocal Analysis.
Description:
This course covers an advanced topic in some branch of analysis.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 744
Credit Weight: 4
Transcript Title: Adv Topics in Spectral Theory
Calendar Title: Advanced Topics in Spectral Theory.
Description:
This course covers an advanced topic in some branch of analysis.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 756
Credit Weight: 4
Transcript Title: Adv Topics in Optimization
Calendar Title: Advanced Topics in Optimization.
Description:
This course covers an advanced topic in Optimization.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 758
Credit Weight: 4
Transcript Title: Adv Topics in Discrete Math
Calendar Title: Advanced Topics in Discrete Mathematics.
Description:
This course covers an advanced topic in Optimization.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 761
Credit Weight: 4
Transcript Title: Adv Topics in Applied Math 1
Calendar Title: Advanced Topics in Applied Mathematics 1.
Description:
This course covers an advanced topic in applied mathematics.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active
MATH 762
Credit Weight: 4
Transcript Title: Adv Topics in Applied Math 2
Calendar Title: Advanced Topics in Applied Mathematics 2.
Description: This course covers an advanced topic in applied mathematics.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 763
Credit Weight: 4
Transcript Title: Adv Topics in Diffrntl Equatns
Calendar Title: Advanced Topics in Differential Equations.
Description: This course covers an advanced topic in applied mathematics.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 764
Credit Weight: 4
Transcript Title: Adv Top in Part DiffrntlEquat
Calendar Title: Advanced Topics in Partial Differential Equations.
Description: This course covers an advanced topic in applied mathematics.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 765
Credit Weight: 4
Transcript Title: Adv Topics in Num Analysis
Calendar Title: Advanced Topics in Numerical Analysis.
Description: This course covers an advanced topic in applied mathematics.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 782
Credit Weight: 4
Transcript Title: Adv Topics in Statistics 1
Calendar Title: Advanced Topics in Statistics 1.
Description: This course covers an advanced topic.
Administering Faculty: Graduate Studies
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 783
Credit Weight: 4
Transcript Title: Adv Topics in Statistics 2
Calendar Title: Advanced Topics in Statistics 2.
Description:
This course covers an advanced topic.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Mathematics and Statistics

**Status (catalog level):** Active

**MATH 784**

**Credit Weight:** 4

**Transcript Title:** Adv Topics in Probability

**Calendar Title:** Advanced Topics in Probability.

**Description:**
This course covers an advanced topic.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Mathematics and Statistics

**Status (catalog level):** Active
MDPH 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
This course cannot be taken under the S/U option. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science. Since this course takes place within a clinical department and may require access to confidential data, the proposed research project needs departmental approval and may need research ethics board approval.
Notes:
Prerequisite: Completion of at least one undergraduate term with CGPA of 3.0
Restrictions: This course cannot be taken under the S/U option. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science. Since this course takes place within a clinical department and may require access to confidential data, the proposed research project needs departmental approval and may need research ethics board approval.
Administering Faculty: Faculty of Science
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 601
Credit Weight: 3
Transcript Title: Radiation Physics
Calendar Title: Radiation Physics.
Description:
The production and properties of directly and indirectly ionizing radiations and their interactions with matter; basic theoretical and experimental aspects of radiation dosimetry.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 602
Credit Weight: 3
Transcript Title: Radiotherapy Physics
Calendar Title: Radiotherapy Physics.
Description:
The physics of radiation therapy including that of radioactive sources, accelerators and x-ray machines. The theoretical and practical dosimetry of ionizing radiation including codes of practice and guidelines, dose calculations, dose measurements and dose optimization. The radiation therapy workflow and practical aspects related to quality assurance of radiation therapy as well as record and verify systems used in radiation therapy.
Notes:
Prerequisite: MDPH 601
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 603
Credit Weight: 2
Transcript Title: Lab. Radiotherapy Physics
Calendar Title: Laboratory Radiotherapy Physics.
Description:
This laboratory course gives some experience in practical/clinical aspects as
applied to radiation therapy and to the techniques for the measurement of different physical parameters which characterize radiation beams. The student is exposed to the operation of various therapy units, dose measuring devices, 3D treatment planning, virtual simulator units, brachytherapy, quality assurance, calibration and different types of relative dosimetry systems.

Notes:
Prerequisite: MDPH 601.
Corequisite: MDPH 602

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 607
Credit Weight: 3
Transcript Title: Medical Imaging
Calendar Title: Medical Imaging.
Description:
This course is concerned with the principles of medical imaging as applied to conventional diagnostic radiography, X-ray computed tomography (CT), positron emission tomography (PET), and magnetic resonance imaging (MRI). The course emphasizes a linear system approach to the formation, processing, and display of medical images.

Notes:
Restriction: Open only to students registered in Medical Physics or Biological & Biomedical Engineering programs; permission of instructor for other students.

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 608
Credit Weight: 2
Transcript Title: Lab-Diagnos Radio&Nuclear Med
Calendar Title: Laboratory - Diagnostic Radiology and Nuclear Medicine.
Description:
This laboratory course takes place in hospital departments of medical diagnostic imaging and is designed to give the student a working knowledge of the performance parameters of the diagnostic imaging equipment. Laboratory classes will offer the student the practical experience of image quality control, on selected imaging equipment currently used in diagnostic medicine together with practical applications of the concepts studied in MDPH 614 and MDPH 615.

Notes:
Prerequisites: MDPH 614, MDPH 615.

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 609
Credit Weight: 2
Transcript Title: Radiation Biology
Calendar Title: Radiation Biology.
Description:
Deals with the effects and mode of action of ionizing radiation on biological material from molecular interactions, through sub-cellular and cellular levels of organization, to the response of tissues, organs and the whole body. Includes the application of radiation biology to oncology and the biological aspects of environmental radiation exposure.

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 610
Credit Weight: 2
Transcript Title: Instr. & Comp. in Med. Phys. 2
Calendar Title: Instrumentation and Computation in Medical Physics 2.
Description:
A course on electronics, computer programming, and instrumentation as applied to medical physics. A basic knowledge of electronics and computers is assumed, but the detailed course contents may vary from year to year, depending on the background of the students.
Notes:
Prerequisite: MDPH 601 or MDPH 614
Restrictions: Not open to students who have taken MDPH 612.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 613
Credit Weight: 2
Transcript Title: Health Physics
Calendar Title: Health Physics.
Description:
The hazards of ionizing radiations and the safe handling of radiation sources. Topics covered include basic principles; safety codes, laws and regulations; organization of radiation safety; and practical safety measures and procedures.
Notes:
Corequisite: MDPH 601
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 614
Credit Weight: 3
Transcript Title: Phys of Diagnostic Radiology
Calendar Title: Physics of Diagnostic Radiology.
Description:
A rigorous treatment of the physical principles and the instrumentation of radiology, computed tomography and ultrasound medical imaging systems. Special attention is paid to the analysis of the relations between imaging system design, image quality, and safety. Measurement techniques for the evaluation of medical imaging systems are reviewed.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 615
Credit Weight: 2
Transcript Title: Physics of Nuclear Medicine
Calendar Title: Physics of Nuclear Medicine.
Description:
The physics of radioactivity and the applications of radioisotopes and radiopharmaceuticals in medical diagnosis. Topics covered include radiation spectrometry, the scintillation camera, image analysis and data processing in nuclear medicine, single photon emission tomography, and positron emission
Notes:
Corequisite: MDPH 601
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 617
Credit Weight: 2
Transcript Title: Adv MRI Image Acquis & Analysis
Calendar Title: Advanced MRI Image Acquisition and Analysis.
Description:
Advanced MRI image acquisition and quantitative image analysis. Topics include:
MRI RF coils, phased arrays, MRI image optimization and artifact reduction,
quantitative image analysis.
Notes:
Require the use of a computer, particularly Linux; soldering skills.
Location for course: MGH (mandatory due to equipment use).
Language of instruction: English.
Contact hours: 30.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 618
Credit Weight: 3
Transcript Title: Anat & Physiol for Med Physics
Calendar Title: Anatomy and Physiology for Medical Physics.
Description:
Basic anatomy, physiology and oncology. The review of statistics will focus on
study design and hypotheses testing in health studies. Focus on anatomic
structures, their relationships, their cross-sectional and planar projections.
Imaging and radiation treatment planning methods will be reviewed by anatomic
region, as they apply to: central nervous system, head and neck, thorax, abdomen,
pelvis and extremities.
Notes:
Restriction(s): Only open to students enrolled in the MSc in Medical Radiation
Physics program.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 690
Credit Weight: 24
Transcript Title: M.Sc. Thesis Research
Calendar Title: M.Sc. Thesis Research.
Description:
Independent research work under the direction of the Thesis Supervisor and the
Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 690D1
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research
Calendar Title: M.Sc. Thesis Research.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Students must also register for MDPH 690D2
No credit will be given for this course unless both MDPH 690D1 and MDPH 690D2 are successfully completed in consecutive terms
MDPH 690D1 and MDPH 690D2 together are equivalent to MDPH 690

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 690D2
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research
Calendar Title: M.Sc. Thesis Research.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Prerequisite: MDPH 690D1
No credit will be given for this course unless both MDPH 690D1 and MDPH 690D2 are successfully completed in consecutive terms
MDPH 690D1 and MDPH 690D2 together are equivalent to MDPH 690

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 691D1
Credit Weight: 9
Transcript Title: MSc Thesis Research 2
Calendar Title: MSc Thesis Research 2.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Students must register for both MDPH 691D1 and MDPH 691D2
No credit will be given for this course unless both MDPH 691D1 and MDPH 691D2 are successfully completed in consecutive terms
Restrictions: Not open to students who have taken or are taking MDPH 690, 690 D1/D2, 690 N1/N2.

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 691D2
Credit Weight: 9
Transcript Title: MSc Thesis Research 2
Calendar Title: MSc Thesis Research 2.
Description:
See MDPH 691D1 for course description.

Notes:
Prerequisite: MDPH 691D1
No credit will be given for this course unless both MDPH 691D1 and MDPH 691D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 702
Credit Weight: 3
Transcript Title: Adv Topics in Rad Onc Phys Res
Calendar Title: Advanced Topics in Radiation Oncology Physics Research.
Description: Advanced research topics in radiation oncology physics comprising radiation physics and dosimetry, Monte Carlo calculations, anatomical, molecular and functional imaging, integration of the latter in radiation delivery, biological models, radiation biology and clinical research.
Notes: Prerequisite: Permission of the instructors.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active

MDPH 704
Credit Weight: 3
Transcript Title: Computat Meth: Radioth&Imaging
Calendar Title: Computational Methods in Radiotherapy and Imaging.
Description: An overview of advanced computational tools and methods in medical physics, both in radiation therapy and imaging. Learning objectives of the course are familiarity with data structures and algorithms, numerical analysis techniques, deterministic approaches, stochastic approaches, optimization methods, statistical testing, familiarity with software tools, concepts and languages used in scientific computing, libraries used in scientific computing, Monte Carlo software used in medical physics, software development environments, productivity tools, advanced techniques in computational medical physics and relational databases and statistical analysis.
Notes: Restrictions: Only open to students with an M.Sc. in Medical Physics and students that are currently registered in the Ph.D. in Physics program.
Administering Faculty: Graduate Studies
Teaching Department: Medical Physics Unit
Status (catalog level): Active
MDST 400

**Credit Weight**: 3  
**Transcript Title**: Interdisc Sem: Medieval Studies  
**Calendar Title**: Interdisciplinary Seminar in Medieval Studies.  
**Description**: Interdisciplinary approaches to themes in medieval culture and history. Emphasizes the development of interdisciplinary research skills and awareness of global approaches to the period. Topics will vary from year to year.  
**Administering Faculty**: Faculty of Arts  
**Teaching Department**: English  
**Status (catalog level)**: Active
MECH 201
Credit Weight: 2
Transcript Title: Intro to Mechanical Eng
Calendar Title: Introduction to Mechanical Engineering.
Description:
Notes:
(3-0-3)
Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 210
Credit Weight: 2
Transcript Title: Mechanics 1
Calendar Title: Mechanics 1.
Description:
Static equilibrium of particles and rigid bodies. Beams, trusses, frames and machines. Concept of work and energy. Static equilibrium and stability.
Notes:
(2-1-3)
Prerequisites: PHYS 101 or PHYS 131 or equivalent.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 220
Credit Weight: 4
Transcript Title: Mechanics 2
Calendar Title: Mechanics 2.
Description:
Kinematics of particles and rigid bodies. Particle dynamics: force-momentum and work-energy approaches. Kinematics and kinetics of rigid bodies.
Notes:
(4-1-7)
Prerequisites: MECH 210, MATH 262. Pre-/Co-requisite: MATH 263.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 240
Credit Weight: 3
Transcript Title: Thermodynamics 1
Calendar Title: Thermodynamics 1.
Description:
Notes:
(3-1-5)
Restrictions: Restricted to students in U1 or above.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 261
Credit Weight: 2
Transcript Title: Measurement Laboratory
Calendar Title: Measurement Laboratory.
Description: Basic experimental laboratory measurements, such as measurement of strain, pressure, force, position, and temperature.
Notes: (2-2-2)
Corequisite: MATH 263
Restriction: Civil Engineering students at U1 or higher level.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 262
Credit Weight: 3
Transcript Title: Statistics and Measurement Lab
Calendar Title: Statistics and Measurement Laboratory.
Description: Introduction to probability: conditional probability, binomial and Poisson distributions, random variables, laws of large numbers. Statistical analysis associated with measurements; regression and correlation. Basic experimental laboratory techniques, including the measurement of strain, pressure, force, position, and temperature.
Notes: (3-2-4)
Corequisite: MATH 263
Restriction: Open to U1 students or higher.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 289
Credit Weight: 3
Transcript Title: Design Graphics
Calendar Title: Design Graphics.
Description: The design process, including free-hand sketching; from geometry construction to engineering construction; the technology and standards of engineering graphic communication; designing with CAD software. The role of visualization in the production of engineering designs.
Notes: (3-3-3)
Restrictions: Students must be in Year 1 (U1) or higher. Not open to students in Mechanical Engineering.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 290
Credit Weight: 3
Transcript Title: Design Graphics for Mech Engng
**Calendar Title:** Design Graphics for Mechanical Engineering.

**Description:**
Introduction to essential modern engineering design graphics skills. Basic knowledge of design graphics projection theory; perspective projections. Introduction to Computer-Aided Design (CAD) software and 3D parametric solid modeling techniques. Design for manufacturing and design for assembly methods. Standard geometric dimensioning and tolerancing techniques and their applications in the engineering drawings and engineering design.

**Notes:**
(2-3-4)

Restrictions: Only open to U1 (Year 1) Mechanical Engineering students.

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

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**MECH 292**  
**Credit Weight:** 3  
**Transcript Title:** Design 1: Conceptual Design  
**Calendar Title:** Design 1: Conceptual Design.  
**Description:**
Introduction to design. Problem formulation, idea generation, feasibility study, preliminary design, design, analysis, design evaluation, project management, and optimal design.

**Notes:**
(3-1-5)  
Prerequisites: MECH 289 or MECH 290. Pre-/Co-requisite: CIVE 207.

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

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**MECH 309**  
**Credit Weight:** 3  
**Transcript Title:** Numerical Methods in Mech Eng  
**Calendar Title:** Numerical Methods in Mechanical Engineering.  
**Description:**
Numerical techniques for problems commonly encountered in Mechanical Engineering are presented. Chebyshev interpolation, quadrature, roots of equations in one or more variables, matrices, curve fitting, splines and ordinary differential equations. The emphasis is on the analysis and understanding of the problem rather than the details of the actual numerical program.

**Notes:**
(3-1-5)  
Prerequisites: MATH 263, MATH 271, COMP 208.

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

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**MECH 314**  
**Credit Weight:** 3  
**Transcript Title:** Dynamics of Mechanisms  
**Calendar Title:** Dynamics of Mechanisms.  
**Description:**
First principles of analysis; motion; position; displacement; velocity; acceleration; force; inertia and its effects. Kinematic and dynamic analysis of rigid bodies in pure rotation and in pin-connected systems; dynamic balance. Rigid bodies in rolling contact; planetary gear-trains. Bodies in sliding contact; lower
Notes:
(3-1-5)
Prerequisite: MECH 220.

**Administering Faculty**: Faculty of Engineering

**Teaching Department**: Mechanical Engineering

**Status (catalog level)**: Active

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**MECH 315**

**Credit Weight**: 4

**Transcript Title**: Mechanics 3

**Calendar Title**: Mechanics 3.


**Notes**:
(4-1-7)

Prerequisites: MECH 220, MATH 271

Pre-/Co-requisite: CIVE 207.

**Administering Faculty**: Faculty of Engineering

**Teaching Department**: Mechanical Engineering

**Status (catalog level)**: Active

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**MECH 321**

**Credit Weight**: 3

**Transcript Title**: Mechanics of Deformable Solids

**Calendar Title**: Mechanics of Deformable Solids.


**Notes**:
(3-1-5)

Prerequisite: CIVE 207

**Administering Faculty**: Faculty of Engineering

**Teaching Department**: Mechanical Engineering

**Status (catalog level)**: Active

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**MECH 331**

**Credit Weight**: 3

**Transcript Title**: Fluid Mechanics 1

**Calendar Title**: Fluid Mechanics 1.

**Description**: Physical properties of fluids. Kinematics and dynamics of fluid flow: stress in a continuum, rates of strain, rotation. Control volume analysis; conservation of mass, linear momentum and energy; Euler and Bernoulli equations; Flow measurement. Dimensional analysis and dynamical similarity. Laminar and turbulent flow in pipes and boundary layers.

**Notes**:
(3-1-5)


**Administering Faculty**: Faculty of Engineering

**Teaching Department**: Mechanical Engineering

**Status (catalog level)**: Active
MECH 341
Credit Weight: 3
Transcript Title: Thermodynamics 2
Calendar Title: Thermodynamics 2.
Description:
Generalized thermodynamics relations. Real gas effects, gas tables, dense gas
equations of state and generalized compressibility, enthalpy, and entropy charts.
Vapour and gas power cycles (coal/nuclear power plants). Refrigerators and heat
pumps. Psychrometry and air conditioning processes. Thermodynamics of reactive gas
mixtures.
Notes:
(3-1-5)
Prerequisites: MATH 264 and MECH 240
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 346
Credit Weight: 3
Transcript Title: Heat Transfer
Calendar Title: Heat Transfer.
Description:
Convective heat transfer: governing equations; dimensionless parameters; analogy
between momentum and heat transfer. Design correlations for forced, natural, and
mixed convection. Heat exchangers. Radiative heat transfer: black- and gray-body
radiation; shape factors; enclosure theory. Thermal engineering design project.
Notes:
(3-1-5)
Prerequisites: MECH 240 or BREE 301, MECH 331 or BREE 305, MATH 271 or BREE 319
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 360
Credit Weight: 3
Transcript Title: Principles of Manufacturing
Calendar Title: Principles of Manufacturing.
Description:
Theory and practice of modern manufacturing processes: machining, forming, and
casting. Producing parts using computer assisted tools from CAD to CNC machining
followed by measurement of part quality. Hands-on machining of parts.
Notes:
(3-3-3)
Prerequisites: MECH 289 or MECH 290. Pre-/corequisite: CIVE 207.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 362
Credit Weight: 2
Transcript Title: Mechanical Lab 1
Calendar Title: Mechanical Laboratory 1.
Description:
Experiments will be performed in four areas: MECH 240 Thermodynamics, MECH 315
Vibrations, MECH 331 Fluid Mechanics 1, and MECH 346 Heat Transfer. Students should sign up to do experiments in one or more areas the term following the completion of one or more of the above courses. Students will not formally register for this course until the term in which they will complete all of the experiments.

Notes:
(0-3-3)
Prerequisite: MECH 261 or MECH 262 or BREE 216

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 383
Credit Weight: 3
Transcript Title: Appl Electronics&Instrumentn
Calendar Title: Applied Electronics and Instrumentation.
Description:

Notes:
(3-2-4)
Prerequisites: MECH 261 or MECH 262, MATH 263.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 393
Credit Weight: 3
Transcript Title: Design 2: Machine Element Des
Calendar Title: Design 2: Machine Element Design.
Description:
The design of machine elements for strength requirements in consideration of various methods of manufacture. Synthesis of mechanical systems to fulfill performance requirements, following the engineering design process. Static and fatigue failure prevention. Students form groups to work on a design project.

Notes:
(3-1-5)
Prerequisites: (MECH 289 or MECH 290) and CIVE 207. Pre-/co-requisites: MECH 360 and MECH 292 and MECH 314 and MIME 260.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 403D1
Credit Weight: 3
Transcript Title: Thesis (Honours)
Calendar Title: Thesis (Honours).
Description:
This course, together with MECH 404, involves a research project containing both engineering theory and design components, and requiring a theoretical and/or experimental investigation. Students are supervised by the course instructor and mentored by one or more staff members. The work culminates with the submission of a thesis.

Notes:
(0-6-12)
Prerequisite: A minimum of 60 program credits. Students must register for both MECH 403D1 and MECH 403D2. No credit will be given for this course unless both MECH 403D1 and MECH 403D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 403D2
Credit Weight: 3
Transcript Title: Thesis (Honours)
Calendar Title: Thesis (Honours).
Description:
See MECH 403D1 for course description.
Notes:
Prerequisite: MECH 403D1
No credit will be given for this course unless both MECH 403D1 and MECH 403D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 403N1
Credit Weight: 3
Transcript Title: Thesis (Honours)
Calendar Title: Thesis (Honours).
Description:
This course, together with MECH 404, involves a research project containing both engineering theory and design components, and requiring a theoretical and/or experimental investigation. Students are supervised by the course instructor and mentored by one or more staff members. The work culminates with the submission of a thesis.
Notes:
(0-6-12)
Prerequisite: A minimum of 60 program credits. Students must also register for MECH 403N2
No credit will be given for this course unless both MECH 403N1 and MECH 403N2 are successfully completed in a twelve month period.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 403N2
Credit Weight: 3
Transcript Title: Thesis (Honours)
Calendar Title: Thesis (Honours).
Description:
See MECH 403N1 for course description.
Notes:
Prerequisite: MECH 403N1
No credit will be given for this course unless both MECH 403N1 and MECH 403N2 are successfully completed in a twelve month period.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active
MECH 404
Credit Weight: 3
Transcript Title: Honours Thesis 2
Calendar Title: Honours Thesis 2.
Description:
This course is part of the same thesis project as course MECH 403.
Notes:
(0-6-3)
Corequisite: MECH 403
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 412
Credit Weight: 3
Transcript Title: System Dynamics and Control
Calendar Title: System Dynamics and Control.
Description:
Modelling of physical linear time-invariant systems using transfer functions.
Transient and steady-state response specifications. State space representation of
PID controller design. Root locus and frequency response design methods. Lead, lag
and PID compensators.
Notes:
(3-2-4)
Prerequisites: MECH 309, MECH 315. Pre-/Co-requisite: MECH 331
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 419
Credit Weight: 4
Transcript Title: Advanced Mechanics of Systems
Calendar Title: Advanced Mechanics of Systems.
Description:
Discrete linear systems: analytical and numerical methods. Distributed parameter
systems: exact solutions and discretization techniques.
Electrical-mechanical-acoustical analogies. Stability of systems. Nonlinear
dynamics: phase-plane, perturbation and other methods of solution.
Notes:
(4-1-7)
Prerequisites: MECH 220, CIVE 207, MATH 264, MATH 271.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 430
Credit Weight: 3
Transcript Title: Fluid Mechanics 2
Calendar Title: Fluid Mechanics 2.
Description:
Review of thermodynamics of gases, one dimensional isentropic flow and choking.
Nozzles and wind tunnels. Normal shock waves. Flow in constant area ducts with
friction and heat exchange. Compressible irrotational flow. Oblique shock waves
and Prandtl-Meyer expansion. Supersonic aerofoil and wing theory.

Notes:
(3-1-5)

Prerequisites: MECH 331 and MECH 240.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 447
Credit Weight: 3
Transcript Title: Combustion
Calendar Title: Combustion.

Description:
Equilibrium analysis of reacting systems, Hugoniot analysis, flame propagation mechanisms, introduction to chemical kinetics, models for laminar flame propagation, ignition, quenching, flammability limits, turbulent flames, flame instability mechanisms, detonations, solid and liquid combustion.

Notes:
(3-0-6)

Prerequisite: MECH 240

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 463D1
Credit Weight: 3
Transcript Title: Design 3: Mech Eng Project
Calendar Title: Design 3: Mechanical Engineering Project.

Description:
Team project work typically involving the design, fabrication, verification, and application of a mechanical device/system, or experimental facility. The project work is complemented with lectures in the Fall term on topics related to design and management of design projects. Emphasis is on the completion of a project of professional quality.

Notes:
(1-3-5)

Prerequisites: (CCOM 206 or WCOM 206) and MECH 393.
Students must register for both MECH 463D1 and MECH 463D2.
No credit will be given for this course unless both MECH 463D1 and MECH 463D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 463D2
Credit Weight: 3
Transcript Title: Design 3: Mech Eng Project
Calendar Title: Design 3: Mechanical Engineering Project.

Description:
See MECH 463D1 for course description.

Notes:
Prerequisites: MECH 463D1, (CCOM 206 or WCOM 206) and MECH 393.
No credit will be given for this course unless both MECH 463D1 and MECH 463D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active
MECH 494
Credit Weight: 3
Transcript Title: Honours Design Project
Calendar Title: Honours Design Project.
Description: An advanced design project course with emphasis on analytical solutions, performance prediction and validation, and planning for production. Students are supervised by the course instructor and mentored by one or more staff members.
Notes: (0-6-3)
Prerequisite: MECH 292
Restriction: Mechanical Engineering Honours students.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 497
Credit Weight: 3
Transcript Title: Value Engineering
Calendar Title: Value Engineering.
Description: Value Engineering is an in-depth analysis of an industrial product or process with a view to improving its design and/or performance to increase its worth. This is a workshop type of course. Projects will be supplied by industrial firms and students will work in teams with industrial personnel.
Notes: (0-8-1)
Prerequisites: MECH 393 and completion of 45 credits
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 498
Credit Weight: 3
Transcript Title: Interdisc. Design Project 1
Calendar Title: Interdisciplinary Design Project 1.
Description: Completion of an individual project on an interdisciplinary theme with emphasis on a balanced combination on analysis and synthesis.
Notes: (1-2-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 499
Credit Weight: 3
Transcript Title: Interdisc. Design Project 2
Calendar Title: Interdisciplinary Design Project 2.
Description: The individual project initiated in MECH 498 is continued and finalized in this course.
Notes: (1-2-6)
Corequisite: MECH 498.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 500
Credit Weight: 3
Transcript Title: Sel Topics in Mechanical Eng
Calendar Title: Selected Topics in Mechanical Engineering.
Description: A course to allow the introduction of new topics in Mechanical Engineering as needs arise, by regular and visiting staff.
Notes: (3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 501
Credit Weight: 3
Transcript Title: Special Topics: Mechanical Eng
Calendar Title: Special Topics: Mechanical Engineering.
Description: A course to allow the introduction of new topics in Mechanical Engineering as needs arise, by regular and visiting staff.
Notes: (3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 502
Credit Weight: 3
Transcript Title: Topics: Mechanical Eng
Calendar Title: Topics in Mechanical Engineering.
Description: A course to allow the introduction of new topics in Mechanical Engineering as needs arise, by regular and visiting staff.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 510
Credit Weight: 3
Transcript Title: Engineering Acoustics
Calendar Title: Engineering Acoustics.
Notes: (3-0-6)
Prerequisites: MATH 271 and MECH 315
Offered only in even years.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 513
Credit Weight: 3
Transcript Title: Control Systems
Calendar Title: Control Systems.
Description:
Notes:
(3-0-6)
Prerequisite: MECH 412 or MECH 419.

MECH 515
Credit Weight: 3
Transcript Title: Unsteady Gasdynamics
Calendar Title: Unsteady Gasdynamics.
Description:
Notes:
(3-0-6)
Prerequisites: MECH 341, MECH 430.
Restriction: Not open to students who have taken MECH 615

MECH 516
Credit Weight: 3
Transcript Title: Computational Gasdynamics
Calendar Title: Computational Gasdynamics.
Description:
Fundamentals of computational fluid dynamics. Numerical methods for hyperbolic conservation laws: first- and higher-order upwind schemes; monotonicity and Godunov theorem; total-variation-diminishing schemes; Riemann solvers; treatment of source terms; multi-dimensional methods. Introduction to grid generation and adaptation. Methodology for the comparison of numerical and experimental results.
Notes:
(3-0-6)
Prerequisite(s): MECH 430 or permission of instructor
MECH 524

**Credit Weight:** 3  
**Transcript Title:** Compu Integrated Manufacturing  
**Calendar Title:** Computer Integrated Manufacturing.  
**Description:**  
**Symbols:** LIMT - Limited enrolment  
**Notes:**  
(3-0-6)  
Prerequisite: Permission of the instructor  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

MECH 528

**Credit Weight:** 3  
**Transcript Title:** Product Design  
**Calendar Title:** Product Design.  
**Description:**  
**Symbols:** LIMT - Limited enrolment  
**Notes:**  
(3-0-6)  
Prerequisite (Undergraduate): Permission of the instructor  
**This course will be held on July 14-26, 31, August 1, 2 and there will be an exam due on August 16, 2020.**  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.**  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

MECH 530

**Credit Weight:** 3  
**Transcript Title:** Mech of Composite Materials  
**Calendar Title:** Mechanics of Composite Materials.  
**Description:**  
**Notes:**  
(3-0-6)  
Corequisite: MECH 321 or equivalent/instructor's permission.  
**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active
MECH 531
Credit Weight: 3
Transcript Title: Unmanned Aerial Vehicles
Calendar Title: Unmanned Aerial Vehicles.
Notes: 3-0-6
Prerequisite: MECH 412 or MECH 419 or Permission of the Instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 532
Credit Weight: 3
Transcript Title: Aircraft Perform,Stablty&Cntl
Calendar Title: Aircraft Performance, Stability and Control.
Description: Aircraft performance criteria such as range, endurance, rate of climb, maximum ceiling for steady and accelerated flight. Landing and take-off distances. Static and dynamic stability in the longitudinal (stick-fixed and stick-free) and coupled lateral and directional modes. Control response for all three modes.
Notes: (3-0-6)
Prerequisite (Undergraduate): (MECH 412 or MECH 419), MECH 533
Prerequisite (Graduate): MECH 533
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 533
Credit Weight: 3
Transcript Title: Subsonic Aerodynamics
Calendar Title: Subsonic Aerodynamics.
Description: Kinematics: equations of motion; vorticity and circulation, conformal mapping and flow round simple bodies. Two-dimensional flow round aerofoils. Three-dimensional flows; high and low aspect-ratio wings; airscrews. Wind tunnel interference. Similarity rules for subsonic irrotational flows.
Notes: (3-1-5)
Prerequisite (Undergraduate): MECH 331
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 534
Credit Weight: 3
Transcript Title: Air Pollution Engineering
Calendar Title: Air Pollution Engineering.
Description: Pollutants from power production and their effects on the environment. Mechanisms
of pollutant formation in combustion. Photochemical pollutants and smog, atmospheric dispersion. Pollutant generation from internal combustion engines and stationary power plants. Methods of pollution control (exhaust gas treatment, absorption, filtration, scrubbers, etc.).

Notes:
(3-0-6)
Prerequisite (Undergraduate): MECH 331, MECH 341.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 535
Credit Weight: 3
Transcript Title: Turbomachinery and Propulsion
Calendar Title: Turbomachinery and Propulsion.
Description:
Notes:
(3-0-6)
Corequisites: MECH 430
Prerequisite: MECH 331.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 536
Credit Weight: 3
Transcript Title: Aerospace Structures
Calendar Title: Aerospace Structures.
Description:
Notes:
(3-0-6)
Prerequisite: MECH 321 or equivalent
Restriction: Not open to students who have taken MECH 432.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 539
Credit Weight: 3
Transcript Title: Computational Aerodynamics
Calendar Title: Computational Aerodynamics.
Description:
Finite-difference and finite-volume methods. Explicit and implicit
time-integration methods. Quasi 1D solutions. Nozzle and confined aerofoil
applications.

Notes:
(3-0-6)
Prerequisite: MECH 309 or MATH 317, MECH 533.

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 542
Credit Weight: 3
Transcript Title: Spacecraft Dynamics
Calendar Title: Spacecraft Dynamics.
Description:
Review of central force motion; Hohmann and other coplanar transfers, rotation of
the orbital plane, patched conic method. Orbital perturbations due to the earth's
oblateness, solar-lunar attraction, solar radiation pressure and atmospheric drag.
Attitude dynamics of a rigid spacecraft; attitude stabilization and control;
attitude manoeuvres; large space structures.

Notes:
(3-0-6)
Prerequisite (Undergraduate): MECH 220. Corequisite: MECH 412 or MECH 419

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 543
Credit Weight: 3
Transcript Title: Design With Composite Mat'l's
Calendar Title: Design with Composite Materials.
Description:
Material systems/selection process. Cost vs. performance. Laminate layup
procedures. Theory and application of filament winding of composite cylinders.
Regular oven and autoclave oven curing, analysis of resulting material
performance. Practical design considerations and tooling. Analysis of
environmental considerations. Joining techniques. Analysis of test methods. Theory
of repair techniques.

Notes:
(3-3-3)
Prerequisite: MECH 530

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 544
Credit Weight: 3
Transcript Title: Processing of Composite Mat
Calendar Title: Processing of Composite Materials.
Description:
Composite processing science basic principles. Reinforcement properties;
permeability, compaction. Resin properties; curing, viscosity, shrinkage. Heat
transfer and cure kinetics; cure cycle optimization. Resin flow; infusion,
thickness variations, fiber volume fraction distribution. Residual stresses;
tool-part interaction, warpage control, spring-back, tool design. Thermoplastic
composites; crystallization control, melting and consolidation.

Notes:
Prerequisite: MECH 530 or permission of instructor.
Restriction: This course requires the use of a finite element software, so experience with finite elements is recommended.

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

**MECH 546**  
**Credit Weight:** 3  
**Transcript Title:** FEM in Solid Mechanics  
**Calendar Title:** Finite Element Methods in Solid Mechanics.  
**Description:** Discrete systems; variational formulation and approximation for continuous systems; direct and variational methods of element formulation in 1- 2- and 3 dimensions; formulation of isoparametric finite elements; plate and shell elements; finite element method for static analysis, vibration analysis and structural dynamics; introduction to nonlinear problems.

**Notes:**  
(3-0-6)  
Prerequisites: MECH 315 or MECH 419, and MECH 321, or instructor's permission.  
Restriction: Not open to students who have taken MECH 645.

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

**MECH 547**  
**Credit Weight:** 3  
**Transcript Title:** Mechanics of Biological Matls  
**Calendar Title:** Mechanics of Biological Materials.  

**Notes:**  
(3-1-5)  
Prerequisites: MECH 210, MIME 260 or MIME 261, or permission of instructor

**Administering Faculty:** Faculty of Engineering  
**Teaching Department:** Mechanical Engineering  
**Status (catalog level):** Active

**MECH 548**  
**Credit Weight:** 3  
**Transcript Title:** Cellular Matls:Natl&Eng Struct  
**Calendar Title:** Cellular Materials in Natural and Engineering Structures.  
**Description:** Overview of hierarchical solids exhibiting cellular structure. Cell size, shape and topology of bending and stretching dominated materials, including periodic microtruss lattice, plant cellular tissue and trabecular bone. Theories for modelling the mechanics and the physical properties; design and optimization of multifunctional cellular solids for ultralight aerospace and biomedical applications.

**Notes:**  
(3-0-6)
Prerequisites: MECH 210, MIME 260 or MIME 261, or permission of instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 550
Credit Weight: 3
Transcript Title: Vibrations of Contin. Systems
Calendar Title: Vibrations of Continuous Systems.
Description:
Notes:
(3-0-6)
Prerequisite: MECH 315 or MECH 419
Restriction: Not open to students who have taken MECH 643

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 551
Credit Weight: 3
Transcript Title: Nonlin Dyn of Shell Structures
Calendar Title: Nonlinear Dynamics of Shell Structures.
Description:
Introduction to nonlinear dynamics and stability; softening and hardening systems; bifurcations; Lyapunov exponents; nonlinear strain-displacement relationships; Lagrangian description; plates and shells; nonlinear vibrations of plates and shells; reduced-order models; stability of shells with cardiovascular application; supersonic flutter of circular cylindrical shells (rockets).
Notes:
(3-0-6)
Prerequisite: MECH 315 or MECH 419

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 553
Credit Weight: 3
Transcript Title: Design & Manuf of Microdevices
Calendar Title: Design and Manufacture of Microdevices.
Description:
Notes:
(3-0-6)
Prerequisites: MECH 309, MECH 321, (MECH 315 or MECH 419)

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 556
Credit Weight: 3
Transcript Title: Microfluidics and BioMEMS
Calendar Title: Microfluidics and BioMEMS.
Description:
Fundamentals of micro-electro-mechanical systems (MEMS) and microfluidic devices (also called lab-on-a-chip devices), and their applications to biology and medicine. Topics include: microfabrication techniques, MEMS sensing and actuation principles, microfluidics theories, microfluidic device design, packaging and characterization of MEMS and microfluidic devices, bioanalytical techniques in microfluidics. Students will have the opportunity to conduct two term designs in microfluidics and bioMEMS.
Notes:
Note: (3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 559
Credit Weight: 3
Transcript Title: Eng. Systems Optimization
Calendar Title: Engineering Systems Optimization.
Description:
Introduction to systems-oriented engineering design optimization. Emphasis on i) understanding and representing engineering systems and their structure, ii) obtaining, developing, and managing adequate computational (physics- and data-based) models for their analysis, iii) constructing appropriate design models for their synthesis, and iv) applying suitable algorithms for their numerical optimization while accounting for systems integration issues. Advanced topics such as coordination of distributed problems and non-deterministic design optimization methods.
Notes:
(3-0-6)
Prerequisite: MATH 264 and MECH 309
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 560
Credit Weight: 3
Transcript Title: Eco-design and Product LCA
Calendar Title: Eco-design and Product Life Cycle Assessment.
Description:
Fundamentals of both product and process engineering with an emphasis on life cycle models and sustainability. Practical and theoretical topics, methodologies, principles, and techniques. Practical methods such as Life Cycle Analysis, eco-design strategies, streamlined Life Cycle Assessment, environmental impact assessment, and Life Cycle Engineering. Introduction to important product development theories and life cycle assessment theories.
Notes:
(3-0-6)
Prerequisite: MECH 360
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 561
Credit Weight: 3
Transcript Title: Biomech of Musculoskeletal Sys
Calendar Title: Biomechanics of Musculoskeletal Systems.
Description:
Notes:
(3-0-6)
Prerequisite (Undergraduate): MECH 321 and (MECH 315 or MECH 419)
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 562
Credit Weight: 3
Transcript Title: Advanced Fluid Mechanics
Calendar Title: Advanced Fluid Mechanics.
Description:
Conservation laws, control volume analysis, Navier stokes equations, dimensional analysis and limiting forms of N-S equation, laminar viscous flows, boundary layer theory, inviscid potential flows, lift and drag, introduction to turbulence.
Notes:
(3-0-6)
Prerequisite: MATH 271 or permission of instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 563
Credit Weight: 3
Transcript Title: Biofluids & Cardiovascular Mech
Calendar Title: Biofluids and Cardiovascular Mechanics.
Description:
Basic principles of circulation including vascular fluid and solid mechanics, modelling techniques, clinical and experimental methods and the design of cardiovascular devices.
Notes:
(3-0-6)
Prerequisites: CHEE 314 or MECH 331 or permission of instructor
Restriction: Not open to students who have taken CHEE 563
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 564
Credit Weight: 3
Transcript Title: Thermal Rad & Solar Energy Sys
Calendar Title: Thermal Radiation and Solar Energy Systems.
Description:

Notes:
3-0-6
Prerequisite: MECH 346, COMP 208

Administrating Faculty: Faculty of Engineering

Teaching Department: Mechanical Engineering

Status (catalog level): Active

MECH 565
Credit Weight: 3
Transcript Title: Fluid Flow & Heat Trans. Equip
Calendar Title: Fluid Flow and Heat Transfer Equipment.
Description: Pipes and piping systems, pumps, and valves. Fans and building air distribution systems. Basic thermal design methods for fins and heat exchangers. Thermal design of shell-and-tube and compact heat exchangers.
Notes:
(3-0-6)
Prerequisite (Undergraduate): MECH 240, MECH 309 or MATH 317, MECH 331, MECH 341, MECH 346 or permission of the instructor.

Administrating Faculty: Faculty of Engineering

Teaching Department: Mechanical Engineering

Status (catalog level): Active

MECH 566
Credit Weight: 3
Transcript Title: Fluid-Structure Interactions
Calendar Title: Fluid-Structure Interactions.
Description: Pipes and cylindrical shells containing flow: fundamentals and applications in ocean mining, Coriolis mass-flow meters, heat exchangers, nuclear reactors and aircraft engines; chaos. Cylinders in axial flow and in cross-flow; vortex-shedding and galloping. Cylinder arrays in cross-flow; fluidelastic instabilities. Ovaling of chimneys.
Notes:
(3-0-6)
Prerequisite: MECH 315 or MECH 419 or equivalent.

Administrating Faculty: Faculty of Engineering

Teaching Department: Mechanical Engineering

Status (catalog level): Active

MECH 567
Credit Weight: 3
Transcript Title: Struct Dyn of Turbomachines
Calendar Title: Structural Dynamics of Turbomachines.
Description: Fundamentals of turbomachines from the standpoint of structural dynamics and vibration analysis, with preference given to aerospace applications involving aircraft and helicopter engines. Topics include: introduction to the finite element method, aircraft/helicopter engines architecture and main components, general equations of motion in rotordynamics, advanced modal analysis, Campbell diagrams and critical rotational velocity, mistuning and cyclic symmetry,
fluid-structure coupling, flutter analysis, high-cycle fatigue.
Maxwell transport equations, derivation of Navier Stokes equations.

Notes:
(3-0-6)

Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 579
Credit Weight: 3
Transcript Title: Multidisciplinary Design Optim
Calendar Title: Multidisciplinary Design Optimization.
Description:
A comprehensive introduction to important algorithms in sensitivity analysis and multidisciplinary design optimization of large systems. Topics include: unconstrained and constrained optimization, sensitivity analysis, gradient-free optimization, multi-objective optimization, and various multidisciplinary algorithms and approaches for design optimization.
Notes:
(3-0-6)
Prerequisite(s): MECH 309
Administering Faculty: Faculty of Engineering
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 600
Credit Weight: 4
Transcript Title: Adv. Topics in Mech. Eng. 1
Calendar Title: Advanced Topics in Mechanical Engineering 1.
Description:
New developments related to mechanical engineering.
Notes:
(3-1-8)
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 602
Credit Weight: 3
Transcript Title: Adv. Topics in Mech Eng. 2
Calendar Title: Advanced Topics in Mechanical Engineering 2.
Description:
New developments related to Mechanical Engineering will be presented either by staff or by visiting professors.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 603
Credit Weight: 9
Transcript Title: M. Eng. Project 1
Calendar Title: M. Eng. Project 1.
Description:
Supervised project.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active
MECH 604
Credit Weight: 3
Transcript Title: M. Eng. Project 2
Calendar Title: M. Eng. Project 2.
Description: Supervised project.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 605
Credit Weight: 4
Transcript Title: Applied Maths 1
Calendar Title: Applied Mathematics 1.
Description: Tensor Analysis, Gauss and Stokes Theorems, Complex Functions, Laplace and Fourier transforms, Linear Algebra, Initial and Boundary Value Problems for ODE's, Partial Differential Equations including elliptic, parabolic and hyperbolic, Sturm-Liouville theory, Eigenvalue problems, Galerkin Method, Green's Functions and transform methods.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 609
Credit Weight: 1
Transcript Title: Seminar
Calendar Title: Seminar.
Description: All candidates for a Master's degree (except those in the Aerospace Program) must present one seminar dealing with their research topic, and attend at least twelve seminars presented by other Masters students.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 610
Credit Weight: 4
Transcript Title: Fundamentals of Fluid Dynamics
Calendar Title: Fundamentals of Fluid Dynamics.
Notes: Prerequisite: MECH 605 or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 616
Credit Weight: 4
Transcript Title: Visc. Flow & Boundary Layer Th
Calendar Title: Viscous Flow and Boundary Layer Theory.
Description:

Notes:
(3-0-9)
Prerequisite: MECH 610 or permission of instructor.

Administrating Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 632
Credit Weight: 4
Transcript Title: Adv Mechanics of Materials
Calendar Title: Advanced Mechanics of Materials.
Description:

Notes:
Administrating Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 642
Credit Weight: 4
Transcript Title: Advanced Dynamics
Calendar Title: Advanced Dynamics.
Description:

Notes:
Evening course
Administrating Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 650
Credit Weight: 4
Transcript Title: Fundamentals of Heat Transfer
Calendar Title: Fundamentals of Heat Transfer.
Description:
Heat conduction: analytical solutions; integral solutions; solid-liquid phase-change. Forced and natural convection: nondimensionalization; boundary layer theory; design correlations for external and internal flows; basic ideas of
turbulence modelling. Mixed convection. Boiling and condensation. Radiation heat transfer: basic concepts; black-body enclosure theory; gray-body enclosure theory; participating media.

Notes:
Evening course

Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 652
Credit Weight: 4
Transcript Title: Dynamics of Combustion
Calendar Title: Dynamics of Combustion.
Description:
Chemical thermodynamics and chemical kinetics, Hugoniot analysis of reacting flows, conservation equation for reactive mixtures, Reacting couette flows, boundary layers and shear layers. Laminar premixed flames, Detonation theory and ZND structure. Stability of flames and detonations, limits, ignition energies and quenching distance, dynamic parameters of detonations.

Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 654
Credit Weight: 4
Transcript Title: Compt:Fluid Flow&Heat Transfer
Calendar Title: Computational Fluid Flow and Heat Transfer.
Description:

Notes:
Evening course

Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 656
Credit Weight: 4
Transcript Title: Fundamentals of Turbulent Flow
Calendar Title: Fundamentals of Turbulent Flow.
Description:
An introduction to turbulence and turbulent flows, including the turbulent transport of momentum and heat, the dynamics of turbulence, free shear flows, wall-bounded flows, the statistical description of turbulence, and an overview of the measurement, simulation and modelling of turbulence.

Notes:
(3-1-5)
Prerequisites: MECH 452 or MECH 605 or equivalent, and MECH 562 or MECH 610 or equivalent.

Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 661
Credit Weight: 4
Transcript Title: Finite Element Methods in CFD
Calendar Title: Finite Element Methods in Computational Fluid Dynamics.
Notes: Prerequisite: MECH 610.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 669
Credit Weight: 1
Transcript Title: CSE Seminar
Calendar Title: Computational Science Engineering Seminar.
Description: Techniques and applications in computational science and engineering.
Notes: Restriction: This seminar course is open only to students who were admitted to the CSE Program Option.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 672
Credit Weight: 4
Transcript Title: Nav&Control of Robtc&Aero Sys
Calendar Title: Navigation and Control of Robotic and Aerospace Systems.
Description: Modelling, navigation and control of robotic and aerospace systems that can rotate and translate in three-dimensional space. Kinematic and dynamic models. Nonlinear state-estimation strategies for navigation. Nonlinear control strategies.
Notes: 3-0-9
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 681
Credit Weight: 6
Transcript Title: Aeronautics Project
Calendar Title: Aeronautics Project.
Description: A project on aerospace topic.
Notes: An alternative course for MECH 688 Industrial Stage, that may be permitted by the Department, when no stage is available.
An evaluation of the candidate's performance during the period of the project becomes part of the student's record.
Restriction: Open to students in the Aeronautical Option only, with permission of the Department.
Restriction: Not open to students who have taken MECH 682.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 687
Credit Weight: 3
Transcript Title: Aerospace Case Studies
Calendar Title: Aerospace Case Studies.
Description: This course covers topical case studies drawn from aerospace industrial experience. It is conducted in a modular form by experienced engineers from industry. It is given in collaboration with the other two institutions participating in this joint option/program, and may be conducted at any of the three locations in the language of convenience to the instructors.
Notes: Restriction: students in the Aerospace Engineering Option/Programs at McGill, Concordia, École Polytechnique or École de Technologie Supérieure.

MECH 688
Credit Weight: 6
Transcript Title: Industrial Stage
Calendar Title: Industrial Stage.
Description: An integral component of the program that is to be completed under the supervision of an experienced engineer in the facilities of a participating company. The topic is to be decided by a mutual agreement between the candidate, the participating company and the Liaison Committee on Aerospace Engineering. An evaluation of the candidate's performance during the work period becomes a part of the student's record.
Notes: Restriction: students in the Aerospace Engineering Option/Program

MECH 691
Credit Weight: 3
Transcript Title: M.Sc. Thesis Literature Review
Calendar Title: M.Sc. Thesis Literature Review.
Description: A comprehensive literature review in the general area of the thesis topic, to be completed in the first semester.

MECH 692
Credit Weight: 4
Transcript Title: M.Sc. Thesis Research Proposal
Calendar Title: M.Sc. Thesis Research Proposal.
Description: Initiation of research with particular emphasis on the definition of the thesis topic.
Administering Faculty: Graduate Studies
Teaching Department: Mechanical Engineering
Status (catalog level): Active

MECH 693
Credit Weight: 3
Transcript Title: M.Sc.Thesis Progress Report 1
Calendar Title: M.Sc.Thesis Progress Report 1.
Description: A first status report on the progress in the thesis research.

MECH 694
Credit Weight: 6
Transcript Title: M.Sc. Thesis Progress Report 2
Calendar Title: M.Sc. Thesis Progress Report 2.
Description: A second status report on the progress in the thesis research.

MECH 695
Credit Weight: 12
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: Submission of the M.Sc. thesis for examination.

MECH 700
Credit Weight: 0
Transcript Title: Ph.D. Literature Review
Calendar Title: Ph.D. Literature Review.
Description: Preparation of a written literature review.
Notes: This course must be completed in the student's second term, within 8 months of initial registration in the program.

MECH 701
Credit Weight: 0
Transcript Title: Ph.D. Thesis Proposal
Calendar Title: Ph.D. Thesis Proposal.
Description: Preparation of the Ph.D. thesis proposal by the student.
Notes: This course must be completed in the student's third term, within 12 months of initial registration in the program.
Administering Faculty: Graduate Studies  
Teaching Department: Mechanical Engineering  
Status (catalog level): Active

MECH 702
Credit Weight: 0  
Transcript Title: Ph.D. Comp Prelim Oral Exam  
Calendar Title: Ph.D. Comprehensive Preliminary Oral Examination.  
Description: Presentation of the Ph.D. thesis proposal by the student and oral examination of the student's background in related areas.  
Notes: This exam must be taken in the student's fourth term, within 16 months of initial registration in the program.  
Administering Faculty: Graduate Studies  
Teaching Department: Mechanical Engineering  
Status (catalog level): Active
MGCR 211
Credit Weight: 3
Transcript Title: Intro to Financial Accounting
Calendar Title: Introduction to Financial Accounting.
Description:
The role of financial accounting in the reporting of the financial performance of a business. The principles, components and uses of financial accounting and reporting from a user's perspective, including the recording of accounting transactions and events, the examination of the elements of financial statements, the preparation of financial statements and the analysis of financial results.
Notes:
Restriction: Not open to U0 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 222
Credit Weight: 3
Transcript Title: Intro to Org Behaviour
Calendar Title: Introduction to Organizational Behaviour.
Description:
Individual motivation and communication style; group dynamics as related to problem solving and decision making, leadership style, work structuring and the larger environment. Interdependence of individual, group and organization task and structure.
Notes:
Restriction: Not open to U0 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 250
Credit Weight: 3
Transcript Title: Expressive Analysis for Mgmt
Calendar Title: Expressive Analysis for Management.
Description:
Focusing on skills with respect to analysis, writing and presentation in management.
Notes:
Open to U0 and U1 B.Com. students. Not open to students who have taken BUSA 250.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 271
Credit Weight: 3
Transcript Title: Business Statistics
Calendar Title: Business Statistics.
Description:
Statistical concepts and methodology, their application to managerial decision-making, real-life data, problem-solving and spreadsheet modeling. Topics include: descriptive statistics; normal distributions, sampling distributions and estimation, hypothesis testing for one and two populations, goodness of fit, analysis of variance, simple and multiple regression.
Notes:
Prerequisite: MATH 122 and MATH 123 or equivalent
Restriction: Not open to U0 students. Not open to students who have taken or are
taking ECON 227D1/D2, ECON 257D1/D2, MATH 203 at McGill, MATH 204, MATH 324, PSYC 204; students with an exemption from High School or CEGEP for MATH 203 will NOT be exempt from MGCR 271.

You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 273**

**Credit Weight:** 3

**Transcript Title:** Introductory Mgmt Statistics

**Calendar Title:** Introductory Management Statistics.

**Description:** Descriptive statistics, probability, random variables, binomial, poisson, normal distributions, sampling distribution of the mean, estimation, hypothesis testing, analysis of variance, tests of goodness of fit, simple linear regression, non-parametric statistics. Use of computer statistics package (no computer background needed). Application to problems in business and management.

**Symbols:**

**Notes:**
Prerequisite: CMSC 101 Mathematical Tools for Management Professionals or Diagnostic Test.
Requirement for the Institute of Internal Auditors, CMA and CGA

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 293**

**Credit Weight:** 3

**Transcript Title:** Managerial Economics

**Calendar Title:** Managerial Economics.

**Description:** The course focuses on the application of economic theory to management problems and the economic foundations of marketing, finance, and production. Attention is given to the following topics: price and cost analysis; demand and supply analysis, conditions of competition.

**Notes:**
Restriction: Not open to U0 students. Not open to students who have taken or are taking ECON 208, ECON 230D1/D2, or ECON 250D1/D2.

**Administering Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 331**

**Credit Weight:** 3

**Transcript Title:** Information Technology Mgmt

**Calendar Title:** Information Technology Management.

**Description:** Introduction to principles and concepts of information systems in organizations. Topics include information technology, transaction processing systems, decision support systems, database and systems development. Students are required to have background preparation on basic micro computer skills including spreadsheet and word-processing.

**Notes:**
Restriction: Not open to U0 students.
MGCR 341
Credit Weight: 3
Transcript Title: Introduction to Finance
Calendar Title: Introduction to Finance.
Description:
An introduction to the principles, issues, and institutions of Finance. Topics include valuation, risk, capital investment, financial structure, cost of capital, working capital management, financial markets, and securities.
Notes:
Corequisite: MGCR 271 or equivalent
Restriction: Not open to U0 students.

MGCR 352
Credit Weight: 3
Transcript Title: Principles of Marketing
Calendar Title: Principles of Marketing.
Description:
Introduction to marketing principles, focusing on problem solving and decision making. Topics include: the marketing concept; marketing strategies; buyer behaviour; Canadian demographics; internal and external constraints; product; promotion; distribution; price. Lectures, text material and case studies.
Notes:
Restrictions: Open to U1, U2, U3 students.

MGCR 360
Credit Weight: 3
Transcript Title: Social Context of Business
Calendar Title: Social Context of Business.
Description:
This course examines how business interacts with the larger society. It explores the development of modern capitalist society, and the dilemmas that organizations face in acting in a socially responsible manner. Students will examine these issues with reference to sustainable development, business ethics, globalization and developing countries, and political activity.
Notes:
Restriction: Open to U2 and U3 students.

MGCR 372
Credit Weight: 3
Transcript Title: Operations Management
Calendar Title: Operations Management.
Description:
Design, planning, establishment, control, and improvement of the
activities/processes that create a firm's final products and/or services. The interaction of operations with other business areas will also be discussed. Topics include forecasting, product and process design, waiting lines, capacity planning, inventory management and total quality management.

Notes:
Prerequisite: MGCR 271 or equivalent
Restrictions: Open to U1, U2, U3 students. Not open to students who have taken MGCR 472.

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 382
Credit Weight: 3
Transcript Title: International Business
Calendar Title: International Business.
Description:
An introduction to the world of international business. Economic foundations of international trade and investment. The international trade, finance, and regulatory frameworks. Relations between international companies and nation-states, including costs and benefits of foreign investment and alternative controls and responses. Effects of local environmental characteristics on the operations of multi-national enterprises.

Notes:
Restriction: Not open to U0 students.

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 423
Credit Weight: 3
Transcript Title: Strategic Management
Calendar Title: Strategic Management.
Description:
An integrative and interdisciplinary introduction to strategy formation and execution. Concepts, tools, and practical application to understand how firms leverage resources and capabilities to gain competitive advantage in dynamic, contemporary industries. Strategic positioning, organizational design, and managerial action for the long-term success of businesses and positive social and ecological outcomes.

Notes:
Restriction: Open to U2, U3 students only

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 460
Credit Weight: 3
Transcript Title: Social Context of Business
Calendar Title: Social Context of Business.
Description:
Examination of how business interacts with the larger society. Exploration of the development of modern capitalist society, and the dilemmas that organizations face in acting in a socially responsible manner. Examination of these issues with reference to sustainable development, business ethics, globalization and developing countries, and political activity.

Notes:
Restrictions: Open to U2 and U3 students. Not open to students who have taken MGCR 360.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGCR 472
Credit Weight: 3
Transcript Title: Operations Management
Calendar Title: Operations Management.
Description: Design, planning, establishment, control, and improvement of the activities/processes that create a firm's final products and/or services. The interaction of operations with other business areas will also be discussed. Topics include forecasting, product and process design, waiting lines, capacity planning, inventory management and total quality management.
Notes: Prerequisite: MGCR 271 or equivalent
Restriction: Open to U1, U2, U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

MGCR 610
Credit Weight: 6
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description: The process and problems of independent research. Choice of topic may be a normative or descriptive study based on primary or secondary data. Opportunity to work on a one-to-one basis with a faculty member. Members of the Montreal business community may act as resource consultants.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 610D1
Credit Weight: 3
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description: The process and problems of independent research. Choice of topic may be a normative or descriptive study based on primary or secondary data. Opportunity to work on a one-to-one basis with a faculty member. Members of the Montreal business community may act as resource consultants.
Notes: Students must register for both MGCR 610D1 and MGCR 610D2.
No credit will be given for this course unless both MGCR 610D1 and MGCR 610D2 are successfully completed in consecutive terms.
MGCR 610D1 and MGCR 610D2 together are equivalent to MGCR 610.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 610D2
Credit Weight: 3
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description:
See MGCR 610D1 for course description.
Notes:
Prerequisite: MGCR 610D1
No credit will be given for this course unless both MGCR 610D1 and MGCR 610D2 are successfully completed in consecutive terms
MGCR 610D1 and MGCR 610D2 together are equivalent to MGCR 610
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 610J1
Credit Weight: 2
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description:
The process and problems of independent research. Choice of topic may be a normative or descriptive study based on primary or secondary data. Opportunity to work on a one-to-one basis with a faculty member. Members of the Montreal business community may act as resource consultants.
Notes:
Students must also register for MGCR 610J2 and MGCR 610J3
No credit will be given for this course unless MGCR 610J1, MGCR 610J2 and MGCR 610J3 are all successfully completed in consecutive terms
MGCR 610J1, MGCR 610J2 and MGCR 610J3 together are equivalent to MGCR 610
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 610J2
Credit Weight: 2
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description:
See MGCR 610J1 for course description.
Notes:
Prerequisite: MGCR 610J1
Students must also register for MGCR 610J3
No credit will be given for this course unless MGCR 610J1, MGCR 610J2 and MGCR 610J3 are all successfully completed in consecutive terms
MGCR 610J1, MGCR 610J2 and MGCR 610J3 together are equivalent to MGCR 610
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 610J3
Credit Weight: 2
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description:
See MGCR 610J1 for course description.
Notes:
Prerequisite: MGCR 610J2
No credit will be given for this course unless MGCR 610J1, MGCR 610J2 and MGCR 610J3 are all successfully completed in consecutive terms.

MGCR 610J1, MGCR 610J2 and MGCR 610J3 together are equivalent to MGCR 610.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 611
Credit Weight: 2
Transcript Title: Financial Accounting
Calendar Title: Financial Accounting.
Description:
The understanding and use of published financial statements as a primary source of accounting information. The concepts, conventions and techniques involved in the preparation of financial statements leading to the analysis and interpretation of this information.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 612
Credit Weight: 2
Transcript Title: Organizational Behaviour
Calendar Title: Organizational Behaviour.
Description:
Overview of the many issues that influence the management of complex organizations. Understanding of individual and group attitudes, cognitions, and behaviours, providing the essential core knowledge for day-to-day managerial activity.
Notes:
**This course will be taught abroad. The lectures will be held on May 14, 15, June 4 & 5, and will have the final exam on July 3, 2016**
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.**
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 613
Credit Weight: 1.5
Transcript Title: Managerial Economics
Calendar Title: Managerial Economics.
Description:
How economic systems and markets work, a command of how concepts and models developed by economists can be used in managerial decisions, a familiarity with the more practical aspects of competitive behaviour and the structure of competition, and a good appreciation of issues arising in the development of corporate goals and strategies. The use of economic analysis in strategy formulation.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 614
Credit Weight: 1.5
Transcript Title: Management Statistics
Calendar Title: Management Statistics.
Description:
The use of up-to-date statistical analysis to extract information from a set of data. The emphasis will be placed on the application and interpretation of results rather than on formal statistical theory; the challenge will be in the selection of the appropriate statistical methodology to address the problem and an understanding of the limitations of this answer. Full integration of the use of statistical software with statistical analysis.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 616
Credit Weight: 2
Transcript Title: Marketing
Calendar Title: Marketing.
Description:
The course concentrates on what may be the most scarce resource for most corporations today - the customer. The course examines how organizations research what the customer wants and needs. The course also looks at the social and psychological backgrounds of consumer choice and looks at the methods for grouping consumers into segments according to the heterogeneity of their desires. The firm's response to consumers is then considered. First, the need satisfying item is considered - the product. Following this, the elements of the marketing mix, distribution, pricing and promotion, are considered.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 617
Credit Weight: 1.5
Transcript Title: Operations Management
Calendar Title: Operations Management.
Description:
A comprehensive introduction to the fundamental decisions and tradeoffs associated with the management of a firm's production and service activities will be examined. It is a study of how production and service systems can be effectively designed, utilized and managed in order for them to compete successfully on the basis of different parameters.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 618
Credit Weight: 1.5
Transcript Title: Leadership & Professional Skills
Calendar Title: Leadership and Professional Skills.
Description:
An introduction to the leadership and professional skills needed for success in the 21st century in a rapidly changing global environment. Topics covered include self-awareness, personal branding, models of leadership, leading teams, influencing others, critical thinking, professionalism, making effective presentations, and job search skills.
Notes:

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 618D1
Credit Weight: 0.75
Transcript Title: Leadership & Professional Skills
Calendar Title: Leadership and Professional Skills.
Description:
An introduction to the leadership and professional skills needed for success in the 21st century in a rapidly changing global environment. Topics covered include self-awareness, personal branding, models of leadership, leading teams, influencing others, critical thinking, professionalism, making effective presentations, and job search skills.
Notes:
Students must register for both MGCR 618D1 and MGCR 618D2
No credit will be given for this course unless both MGCR 618D1 and MGCR 618D2 are successfully completed in consecutive terms
MGCR 618D1 and MGCR 618D2 together are equivalent to MGCR 618

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 618D2
Credit Weight: 0.75
Transcript Title: Leadership & Professional Skills
Calendar Title: Leadership and Professional Skills.
Description:
See MGCR 618D1 for description.
Notes:
Prerequisite: MGCR 618D1
No credit will be given for this course unless both MGCR 618D1 and MGCR 618D2 are successfully completed in consecutive terms

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 618J1
Credit Weight: 0.5
Transcript Title: Leadership & Professional Skills
Calendar Title: Leadership and Professional Skills.
Description:
An introduction to the leadership and professional skills needed for success in the 21st century in a rapidly changing global environment. Topics covered include self-awareness, personal branding, models of leadership, leading teams, influencing others, critical thinking, professionalism, making effective presentations, and job search skills.
Notes:
Students must also register for MGCR 618J2 and MGCR 618J3
No credit will be given for this course unless MGCR 618J1, MGCR 618J2 and MGCR 618J3 are all successfully completed in consecutive terms
MGCR 618J1, MGCR 618J2 and MGCR 618J3 together are equivalent to MGCR 618

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 618J2
Credit Weight: 0.5
Transcript Title: Leadership & Professional Skills
Calendar Title: Leadership and Professional Skills.
Description:
See MGCR 618J1 for description.
Notes:
Prerequisite: MGCR 618J1
Students must also register for MGCR 618J3
No credit will be given for this course unless MGCR 618J1, MGCR 618J2 and MGCR 618J3 are all successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 618J3
Credit Weight: 0.5
Transcript Title: Leadership & Professional Skills
Calendar Title: Leadership and Professional Skills.
Description:
See MGCR 618J1 for description.
Notes:
Prerequisite: MGCR 618J2
No credit will be given for this course unless MGCR 618J1, MGCR 618J2 and MGCR 618J3 are all successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 620
Credit Weight: 1.5
Transcript Title: Information Systems
Calendar Title: Information Systems.
Description:
Overview of the information systems issues that influence the management of organizations. The impact of information technology on firm operations and the benefits and limitations of information technology, as it relates to the essential core knowledge needed for day-to-day managerial activity. Includes green IT as well as sustainability and IT.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 621
Credit Weight: 1.5
Transcript Title: International Environment
Calendar Title: International Environment.
Description:
Overview of the international issues that influence the management of organizations. Understanding of the international environment as it relates to the essential core knowledge needed for day-to-day managerial activity.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 622
Credit Weight: 1.5
Transcript Title: Organizational Strategy
Calendar Title: Organizational Strategy.
Description:
Assessment of strategic threats and development of a strategy and action plans to keep the organization viable. Social responsibility and ethics within strategic management.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 628
Credit Weight: 1.5
Transcript Title: Integrative Course
Calendar Title: Integrative Course.
Description:
This course provides an integrative perspective to the topics in the first year core, building on progressive stages of integrative understanding from basic management skills looking inward to basic and specialized management skills looking both inward and outward. The emphasis is on pedagogic tools which focus on a holistic view of the organization, forcing an understanding of the management of the enterprise from multiple perspectives and the resolution of conflicting viewpoints.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 628D1
Credit Weight: 0.75
Transcript Title: Integrative Course
Calendar Title: Integrative Course.
Description:
This course provides an integrative perspective to the topics in the first year core, building on progressive stages of integrative understanding from basic management skills looking inward to basic and specialized management skills looking both inward and outward. The emphasis is on pedagogic tools which focus on a holistic view of the organization, forcing an understanding of the management of the enterprise from multiple perspectives and the resolution of conflicting viewpoints.
Notes:
Students must register for both MGCR 628D1 and MGCR 628D2
No credit will be given for this course unless both MGCR 628D1 and MGCR 628D2 are successfully completed in consecutive terms
MGCR 628D1 and MGCR 628D2 together are equivalent to MGCR 628
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 628D2
Credit Weight: 0.75
Transcript Title: Integrative Course
Calendar Title: Integrative Course.
Description:
See MGCR 628D1 for course description.

Notes:
Prerequisite: MGCR 628D1
No credit will be given for this course unless both MGCR 628D1 and MGCR 628D2 are successfully completed in consecutive terms
MGCR 628D1 and MGCR 628D2 together are equivalent to MGCR 628

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 628J1
Credit Weight: 0.5
Transcript Title: Integrative Course
Calendar Title: Integrative Course.
Description:
This course provides an integrative perspective to the topics in the first year core, building on progressive stages of integrative understanding from basic management skills looking inward to basic and specialized management skills looking both inward and outward. The emphasis is on pedagogic tools which focus on a holistic view of the organization, forcing an understanding of the management of the enterprise from multiple perspectives and the resolution of conflicting viewpoints.

Notes:
Students must also register for MGCR 628J2 and MGCR 628J3
No credit will be given for this course unless MGCR 628J1, MGCR 628J2 and MGCR 628J3 are all successfully completed in consecutive terms
MGCR 628J1, MGCR 628J2 and MGCR 628J3 together are equivalent to MGCR 628

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 628J2
Credit Weight: 0.5
Transcript Title: Integrative Course
Calendar Title: Integrative Course.
Description:
See MGCR 628J1 for course description.

Notes:
Prerequisite: MGCR 628J1
Students must also register for MGCR 628J3
No credit will be given for this course unless MGCR 628J1, MGCR 628J2 and MGCR 628J3 are all successfully completed in consecutive terms
MGCR 628J1, MGCR 628J2 and MGCR 628J3 together are equivalent to MGCR 628

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 628J3
Credit Weight: 0.5
Transcript Title: Integrative Course
Calendar Title: Integrative Course.
Description:
See MGCR 628J1 for course description.

Notes:
Prerequisite: MGCR 628J2
No credit will be given for this course unless MGCR 628J1, MGCR 628J2 and MGCR 628J3 are all successfully completed in consecutive terms.
MGCR 628J1, MGCR 628J2 and MGCR 628J3 together are equivalent to MGCR 628.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 629**

- **Credit Weight:** 1
- **Transcript Title:** Healthcare Leadership
- **Calendar Title:** Healthcare Leadership.

**Description:**
An introduction to the leadership challenges of the 21st century in a rapidly changing global environment at the intersection of business and society.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 638**

- **Credit Weight:** 1.5
- **Transcript Title:** Marketing Management
- **Calendar Title:** Marketing Management.

**Description:**
A comprehensive overview of the fundamental principles of marketing. The primary focus is on understanding customers and creating value by offering solutions to their problems that can be branded, communicated and distributed using an omnichannel approach. Appreciate Marketing importance for business, and how to design winning marketing plans for organizations.

**Notes:**
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 639**

- **Credit Weight:** 1.5
- **Transcript Title:** Mng Organizational Behaviour
- **Calendar Title:** Managing Organizational Behaviour.

**Description:**
Exploration of social processes that affect human behaviour and decision making, and tactics for building and managing an organization that help rather than hinder processes. Advantage and the link between organizational design and capabilities. Different organizational designs for optimizing different types of innovation, grapples with the coordination/motivation tradeoff, explores how organizations try to use culture to relax that tradeoff, distinguishes between formal and informal structures and power. The intersection of organizational behaviour and sustainability.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 640**

- **Credit Weight:** 1.5
- **Transcript Title:** Accounting&Financial Reporting
Calendar Title: Accounting and Financial Reporting.
Description:
The use of internally generated accounting information for decision making, planning and control purposes as well as the concepts and techniques involved in developing and interpreting accounting information that is relevant and useful for managers, including ethical issues pertaining to business and accounting.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 641
Credit Weight: 2
Transcript Title: Elements of Modern Finance 1
Calendar Title: Elements of Modern Finance 1.
Description:
Topics: appropriate evaluation criteria for projects, risk and return; how to construct efficient portfolios; rigorous techniques for valuing financial assets. Corporate financing strategies, efficient market theories and investment banking; principles of debt financing and Modigliani-Miller propositions.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 642
Credit Weight: 1.5
Transcript Title: Financial Reporting
Calendar Title: Financial Reporting.
Description:
Managing financial resources, students will learn how discounting and capital budgeting techniques help managers decide which projects should receive funding. Also the limitations of Net Present Value analysis and ways to adjust decisions to accommodate these pitfalls. How to value these instruments and the important role they play in risk-taking.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 650
Credit Weight: 2
Transcript Title: Business Tools
Calendar Title: Business Tools.
Description:
An introduction to the practical usage of standard business tools and frameworks.
Notes:
Intensive course: 13 hours per week for 2 weeks, for a total of 26 contact hours.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 651
Credit Weight: 4
Transcript Title: Managing Resources
Calendar Title: Managing Resources.
Description:
An introduction to the challenges of acquiring and developing various resources in
the firm, including financial capital, human talent, and information technology.

Notes:
Prerequisite: MGCR 650
Intensive course: 7.5 hours per week, over 7 weeks for a total of 52 contact hours

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 651D1
Credit Weight: 2
Transcript Title: Managing Resources
Calendar Title: Managing Resources.
Description:
An introduction to the challenges of acquiring and developing various resources in the firm, including financial capital, human talent, and information technology.

Notes:
Prerequisite: MGCR 650
Intensive course: 7.5 hours per week, over 7 weeks for a total of 52 contact hours
Students must register for both MGCR 651D1 and MGCR 651D2
No credit will be given for this course unless both MGCR 651D1 and MGCR 651D2 are successfully completed in consecutive terms
MGCR 651D1 and MGCR 651D2 together are equivalent to MGCR 651

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 651D2
Credit Weight: 2
Transcript Title: Managing Resources
Calendar Title: Managing Resources.
Description:
See MGCR 651D1 for description.

Notes:
Prerequisite: MGCR 651D1
No credit will be given for this course unless both MGCR 651D1 and MGCR 651D2 are successfully completed in consecutive terms
MGCR 651D1 and MGCR 651D2 together are equivalent to MGCR 651

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 652
Credit Weight: 4
Transcript Title: Value Creation
Calendar Title: Value Creation.
Description:
Offers a comprehensive overview of the value creation process in business sectors by exploring the inter-relationships among the partners in the value chain.

Notes:
Prerequisite: MGCR 650.
Intensive course: 7.5 hours per week, over 7 weeks for a total of 52 contact hours.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MGCR 652D1
Credit Weight: 2
Transcript Title: Value Creation
Calendar Title: Value Creation.
Description:
Offers a comprehensive overview of the value creation process in business sectors by exploring the inter-relationships among the partners in the value chain.
Notes:
Prerequisite: MGCR 650.
Intensive course: 7.5 hours per week, over 7 weeks for a total of 52 contact hours.
Students must register for both MGCR 652D1 and MGCR 652D2
No credit will be given for this course unless both MGCR 652D1 and MGCR 652D2 are successfully completed in consecutive terms
MGCR 652D1 and MGCR 652D2 together are equivalent to MGCR 652
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 652D2
Credit Weight: 2
Transcript Title: Value Creation
Calendar Title: Value Creation.
Description:
See MGCR 652D1 for course description.
Notes:
Prerequisite: MGCR 652D1.
No credit will be given for this course unless both MGCR 652D1 and MGCR 652D2 are successfully completed in consecutive terms
MGCR 652D1 and MGCR 652D2 together are equivalent to MGCR 652
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 653
Credit Weight: 4
Transcript Title: Markets and Globalization
Calendar Title: Markets and Globalization.
Description:
A review of macro-environment in which firms compete, and the linkages which exist between the domestic and global economies. Topics such as trade, fiscal and monetary policy, interest rates, exchange rates, and balance of payments will be covered.
Notes:
Intensive course: 13 hours per week over 4 weeks for a total of 52 contact hours.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGCR 660
Credit Weight: 4.5
Transcript Title: International Study Trip
Calendar Title: International Study Trip.
Description:
This course aims to provide students a comprehensive understanding of the process
of internationalization as well as managing an enterprise/organization in an international setting. Students will participate in an organized study trip outside of Canada, to a city with significant international business.

**Notes:**
Restriction: Restricted to MBA students only

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 660D1**

**Credit Weight:** 2.25

**Transcript Title:** International Study Trip

**Calendar Title:** International Study Trip.

**Description:**
This course aims to provide students a comprehensive understanding of the process of internationalization as well as managing an enterprise/organization in an international setting. Students will participate in an organized study trip outside of Canada, to a city with significant international business.

**Notes:**
Students must register for both MGCR 660D1 and MGCR 660D2
No credit will be given for this course unless both MGCR 660D1 and MGCR 660D2 are successfully completed in consecutive terms
MGCR 660D1 and MGCR 660D2 together are equivalent to MGCR 660

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 660D2**

**Credit Weight:** 2.25

**Transcript Title:** International Study Trip

**Calendar Title:** International Study Trip.

**Description:**
This course aims to provide students a comprehensive understanding of the process of internationalization as well as managing an enterprise/organization in an international setting. Students will participate in an organized study trip outside of Canada, to a city with significant international business.

**Notes:**
Prerequisite: MGCR 660D1
No credit will be given for this course unless both MGCR 660D1 and MGCR 660D2 are successfully completed in consecutive terms
MGCR 660D1 and MGCR 660D2 together are equivalent to MGCR 660

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGCR 661**

**Credit Weight:** 6

**Transcript Title:** International Study Experience

**Calendar Title:** International Study Experience.

**Description:**
The process of internationalization as well as managing an enterprise/organization in an international setting. Students will participate in an organized study trip outside of Canada, to a city with significant international business.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active
MGMT 701
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGMT 707
Credit Weight: 3
Transcript Title: Research Methodology
Calendar Title: Research Methodology.
Description: Philosophy of scientific inquiry, principles of research design, and application of statistical techniques.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGMT 708
Credit Weight: 3
Transcript Title: General Research Methods
Calendar Title: General Research Methods.
Description: Developing a research topic.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGMT 710
Credit Weight: 3
Transcript Title: Seminars in Management
Calendar Title: Seminars in Management.
Description: Seminars in management.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGMT 720
Credit Weight: 3
Transcript Title: Research Paper
Calendar Title: Research Paper.
Description: Research paper in management.
Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MGPO 362
Credit Weight: 3
Transcript Title: Fundls of Entrepreneurship
Calendar Title: Fundamentals of Entrepreneurship.
Description:
Study of the key aspects involved in starting and managing a new venture: identifying opportunities and analyzing new venture ideas, identifying common causes of failure and strategies for success, understanding intellectual property systems, comparison of multiple modes of funding. Applies to for-profit and not-for-profit start-ups.
Notes:
Prerequisite(s): INTG 201 or INTG 202 or MGCR 211 or MGCR 352.
Restriction(s): Only open to U2, U3 students.
Limited enrolment; priority registration to Management students and non-Management students in Minors in Entrepreneurship.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 364
Credit Weight: 3
Transcript Title: Entrepreneurship in Practice
Calendar Title: Entrepreneurship in Practice.
Description:
Provides hands-on experience with the development of an entrepreneurial venture or a contribution to an existing entrepreneurial venture. Involves the creation of a venture development or business plan. Applicable to many kinds of new ventures, both private companies and social enterprises.
Notes:
Prerequisite: MGPO 362
Restriction(s): Open to U2, U3 students only.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 365
Credit Weight: 3
Transcript Title: Business-Government Relations
Calendar Title: Business-Government Relations.
Description:
The political environment in which business organizations operate: how governments control, regulate, promote, and compete with the private sector and how corporate policy responds to, and seeks to influence, these activities.
Notes:
Restriction(s): U2 & U3 students only
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 383
Credit Weight: 3
Transcript Title: International Business Policy
Calendar Title: International Business Policy.
Description:
Development and application of conceptual approaches to general management policy and strategy formulation in multinational business involvement (exporting, licensing, contractual arrangements, turnkey projects, joint ventures, consortia);
technology transfer, location and ownership strategies: competitive multinational relationships. Emphasis on pragmatic analysis, using case studies.

Notes:
Prerequisites: MGCR 382
Restriction: Open to U2, U3 students only
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 402
Credit Weight: 3
Transcript Title: Dynamic Cities
Calendar Title: Dynamic Cities.
Description:
A course which focuses on three key theories of National Competitiveness and includes a visit to a country(ies). The country(ies) visit(s) has a more integrated approach, drawing on material taught in marketing, finance, strategy, OB, etc., as we apply ideas from all our classes in a foreign context in the organized visits.

Notes:
Restriction(s): Instructor's Permission Required. Not open to students who have taken BUSA 434 when topic course was ¿Growing National Competitiveness" Students must take part in the country(ies) visits. There will be a substantial fee associated with this travel. The fee depends on the country(ies) visited, hotels, meals, which will vary from trip to trip.
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 430
Credit Weight: 3
Transcript Title: Practicum: Not-for-Profit Consult
Calendar Title: Practicum in Not for Profit Consulting.
Description:
This course is designed around a pro bono consulting experience. It is meant to connect students to both the NGO community as well as the consulting world. The students go through the entire process of researching potential NGOs, writing and getting a Letter of Proposal Signed off, undertaking the first hand research and analysis, presenting the project results to the Board of the NGO, and finally presenting it to both the professor and the office of the partnering consulting firm. Students are put into teams whose structure is meant to mimic that of a real consulting team.

Notes:
Restriction(s): Not open to students who have taken MGPO 434 when topic course was ¿Not for Profit Consulting" . Permission of instructor.
Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 432
Credit Weight: 3
Transcript Title: Topics in Entrepreneurship
Calendar Title: Topics in Entrepreneurship.
Description:
Specialized advanced topic in entrepreneurship.

Notes:
Prerequisite: MGPO 362
Restriction(s): Open to U2, U3 students only.

**Administrating Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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MGPO 433

**Credit Weight:** 3

**Transcript Title:** Topics in Social Bus. & Enter.

**Calendar Title:** Topics in Social Business and Enterprise.

**Description:**

Specialized advanced topic in social business and enterprise.

**Notes:**

Restriction (s): Open only to U2 and U3 students.

**Administrating Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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MGPO 434

**Credit Weight:** 3

**Transcript Title:** Topics in Policy 1

**Calendar Title:** Topics in Policy 1.

**Description:**

This is a specialized course covering an advanced topic in strategy and organization.

**Notes:**

Restriction: Open to U2, U3 students only

**Administrating Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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MGPO 435

**Credit Weight:** 3

**Transcript Title:** The Origins of Capitalism

**Calendar Title:** The Origins of Capitalism.

**Description:**

This course covers the evolution of modern business institutions from their roots in the early middle ages to the modern era. Covering economic issues in the context of arts and culture, it offers a "distant mirror on globalization."

**Notes:**

Restriction: Restricted to U2 and U3 students

**Administrating Faculty:** Desautels Faculty Management

**Teaching Department:** Management

**Status (catalog level):** Active

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MGPO 438

**Credit Weight:** 3

**Transcript Title:** Social Entrepreneurship & Innovation

**Calendar Title:** Social Entrepreneurship and Innovation.

**Description:**

Explores key concepts associated with social entrepreneurship and social innovation - the application of principles of entrepreneurship and innovation to solve social problems through social ventures, enterprises and not-for-profit organizations. Focuses on the social economy, including how the market system can be leveraged to create social value.

**Notes:**

Restriction(s): Open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 440
Credit Weight: 3
Transcript Title: Strategies for Sustainability
Calendar Title: Strategies for Sustainability.
Description: This course explores the relationship between economic activity, management, and the natural environment. Using readings, discussions and cases, the course will explore the challenges that the goal of sustainable development poses for our existing notions of economic goals, production and consumption practices and the management of organizations.
Notes: Restriction: Open to U2, U3 students only

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 445
Credit Weight: 3
Transcript Title: Industry Anal. & Comp. Strat.
Calendar Title: Industry Analysis and Competitive Strategy.
Description: Analysis of industry structure, macro-environment, and evolution. Evaluation of strategic position, behaviour, and intent of organizations within industry context. Development of strategic recommendations for these firms.
Notes: Restriction: Open to U2 and U3 student
Corequisites: MGCR 423

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 450
Credit Weight: 3
Transcript Title: Ethics in Management
Calendar Title: Ethics in Management.
Description: An examination of the economic, legal and ethical responsibilities of managers in both private and public organizations. Through readings, case studies, discussions and projects the class evaluates alternative ethical systems and norms of behaviour and draws conclusions as to the right, proper and just decisions and actions in the face of moral dilemmas. The focus of this course is on the decision process, values and consistency of values of the individual and on the impact of systems control and incentives on managerial morality.
Notes: Restriction: U2 and U3 students only

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 460
Credit Weight: 3
Transcript Title: Managing Innovation
Calendar Title: Managing Innovation.
Description:
Firms face difficulties in developing new products. This course examines the new product development process to understand why problems occur and what managers can do. Topics include the creative synthesis of market and technology; the coordination of functions; and the strategic connection between the project and the strategy.
Notes:
Restriction: Open to U2, U3 students only
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 469
Credit Weight: 3
Transcript Title: Managing Globalization
Calendar Title: Managing Globalization.
Description:
This course explores economic and social consequences of globalization, focusing on the most pertinent issues at the time. Topics include the existing global imbalances; the opportunities and risks presented by large cross border capital flows; and the role of institutions, and organizational and policy responses in crisis hit countries.
Notes:
Recommended: MGCR 423
Restriction: Open to U2, U3 students only
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 470
Credit Weight: 3
Transcript Title: Strategy and Organization
Calendar Title: Strategy and Organization.
Description:
This course explores how strategic change affects the organization and how the organization can be designed to realize its strategy more effectively. It will examine how strategic choices affect organizational structures, processes, culture, human resource policies, leadership styles, etc. and how the organization can be aligned with the organizational mission.
Notes:
Restriction: Open to U2, U3 students only
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 475
Credit Weight: 3
Transcript Title: Strategies for Devel Countries
Calendar Title: Strategies for Developing Countries.
Description:
Strategic management challenges in developing and emerging economies. Focus on strategies that foster both firm competitiveness and economic development, including: technological capabilities, new forms of organization, small and large firms, global production, social impact, global standards and governance.
Notes:
Restriction: Open to U2, U3 students only

Administrating Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGPO 615
Credit Weight: 3
Transcript Title: Consulting for Change
Calendar Title: Consulting for Change.
Description:
Consultation in the area of assisting firms to introduce strategic change including approaches that are used to assess, understand and advise firms whose status quo is no longer considered satisfactory.
Notes:
Prerequisite: M.B.A. One.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 630
Credit Weight: 3
Transcript Title: Managing Strategy & Innovation
Calendar Title: Managing Strategy and Innovation.
Description:
Activities from company start-ups and turnarounds to implementing mergers and acquisitions. Examination of how strategic change works in practice and how the strategic transitions faced by organizations of all types can be addressed.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 637
Credit Weight: 3
Transcript Title: Cases in Competitive Strategy
Calendar Title: Cases in Competitive Strategy.
Description:
The course applies the techniques for analyzing industries to a number of industries (electronics, photocopy, bicycles, chain saws, securities, fibre optics) through the use of specific company cases. The objective is to develop skills and techniques in a competitive environment and define competitive strategies through practical application.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 640
Credit Weight: 3
Transcript Title: Strategies for Sustainable Dev
Calendar Title: Strategies for Sustainable Development.
Description:
This course aims to produce new knowledge about the multidimensional nature of sustainable development; develop skills required to formulate and implement policies that integrate economic progress with quality of life and the preservation of the biosphere.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 645
Credit Weight: 3
Transcript Title: Strategy in Context
Calendar Title: Strategy in Context.
Description: Exploring how different environments enable some competitive modes and maneuvers while constraining others. Students will learn to analyze industry structure and competitive dynamics and how they evolve; the strategic positioning of firms; how opportunities get constructed and how firm capabilities get linked to them; how competitive advantage is developed and sustained. Theories and frameworks will be introduced but also critiqued in light of empirical evidence and practitioner experience.
Notes: Restriction: Not open to students who have taken BUSA 690 (when topic was Strategy in Context)
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 651
Credit Weight: 3
Transcript Title: Strategic Mgmt:Dev Countries
Calendar Title: Strategic Management: Developing Countries.
Description: The course examines strategic management challenges in developing countries using lectures and discussion of readings and cases. Topics include economic policy management (national development strategies, structural adjustment, privatization), economic cost/benefit analysis, technology choice and transfer, negotiations between multinational firms and host governments, and strategic management for public enterprise, family-owned firms, economic groups, and developmental organizations.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 669
Credit Weight: 3
Transcript Title: Managing Globalization
Calendar Title: Managing Globalization.
Description: M.B.A.s need to understand international competitive issues, such as: forces for industry globalization, a firm's international expansion process, and international competitive strategies. Many types of firms will be analyzed, from small U.S. and Canadian firms beginning to explore internationally to large multinationals that are managing investments around the world.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 683
Credit Weight: 3
Transcript Title: International Business Policy
Calendar Title: International Business Policy.
Description:
Development and application of conceptual approaches to general management policy and strategy formulation in multinational enterprises. Alternative forms of international business involvement (licenses, contractual arrangements, turnkey projects, joint ventures, full direct investment); formulation and implementation of international, multinational and transnational competitive strategies; technology transfer; ownership strategy; international collaborative arrangements. A combination of conceptual readings and applied case analyses.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGPO 690**  
**Credit Weight:** 3  
**Transcript Title:** Adv. Topics Strategic Mgmt 1  
**Calendar Title:** Advanced Topics in Strategic Management 1.  
**Description:** Survey of advanced topics in strategic management.  
**Notes:**  
**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGPO 691**  
**Credit Weight:** 3  
**Transcript Title:** Adv. Topics Strategic Mgmt 2  
**Calendar Title:** Advanced Topics in Strategic Management 2.  
**Description:** Survey of advanced topics in strategic management.  
**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGPO 692**  
**Credit Weight:** 3  
**Transcript Title:** Adv. Topics Strategic Mgmt 3  
**Calendar Title:** Advanced Topics in Strategic Management 3.  
**Description:** Current topics in strategic management.  
**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGPO 695**  
**Credit Weight:** 1.5  
**Transcript Title:** Adv Topics in Strategy Anlytics  
**Calendar Title:** Advanced Topics in Strategy Analytics.  
**Description:** Current topics in strategy analytics. Course content will vary each term.  
**Notes:** (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)  
**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGPO 701**
Credit Weight: 3
Transcript Title: Seminar in Qualitative Methods
Calendar Title: Seminar in Qualitative Methods.
Description:
Seminar on the foundations of qualitative methods, with emphasis on underlying principles.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 702
Credit Weight: 3
Transcript Title: New Paradigms: Strategic Mgmt
Calendar Title: New Paradigms: Strategic Management.
Description:
Survey of new paradigms in strategic management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 704
Credit Weight: 3
Transcript Title: Organizational Theory Seminar
Calendar Title: Organizational Theory Seminar.
Description:
Seminar on organizational theory.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 705
Credit Weight: 3
Transcript Title: Seminar in Policy
Calendar Title: Seminar in Policy.
Description:
Seminar on policy.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 706
Credit Weight: 3
Transcript Title: Perspectives on Innovation
Calendar Title: Perspectives on Innovation.
Description:
Survey of perspectives on innovation.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 707
Credit Weight: 3
Transcript Title: Intl Business and Government
Calendar Title: International Business and Government.
Description:
Course focuses on the variety of perspectives, historical and current, on
international business-government dynamics. Will also consider different modes of
governance in the face of an increasingly complex global environment and examine
new regulation of international business related to changing production
organization, developing economies, and social and environmental standards.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 708
Credit Weight: 3
Transcript Title: Seminar in Strategic Mgmt
Calendar Title: Seminar in Strategic Management.
Description:
Course explores questions of business dynamics, including how firms scan the
environment, gather information, and deal with information asymmetries; how firms
perceive, interpret, and respond to environmental threats; how firms transact
under conditions of market failure; as well as process of organizational
reconfiguration and integration.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGPO 709
Credit Weight: 3
Transcript Title: Soc Net:Concepts, Theory & App
Calendar Title: Social Networks: Concepts, Theory and Applications.
Description:
Course will focus on three broad questions - how and why networks form, change and
influence behaviour - and will consider networks constituted by entities at
multiple levels of analysis, including individuals, groups and organizations.
Students will gain an understanding of and appreciation for the concepts and
theories associated with social network analysis and their empirical applications
and contributions to business research.

Administrating Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MGSC 372
Credit Weight: 3
Transcript Title: Advanced Business Statistics
Calendar Title: Advanced Business Statistics.
Description:
A practical managerial approach to advanced simple and multiple regression analysis, with application in finance, economics and business, including a review of probability theory, an introduction to methods of least squares and maximum likelihood estimation, autoregressive forecasting models and analysis of variance.
Notes:
Prerequisite: MGCR 271
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 373
Credit Weight: 3
Transcript Title: Operations Research 1
Calendar Title: Operations Research 1.
Description:
A realistic experience of analytical models which have been successfully applied in several areas of managerial decision-making like marketing, finance and IS. Emphasis on the formulation of problems, their solution approaches, limitations, underlying assumptions and practical use. Topics include: decision analysis, project management, simulation, linear and integer programming, sensitivity analysis.
Notes:
Prerequisite: MGCR 271
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 401
Credit Weight: 3
Transcript Title: Stat Founds of Data Analytics
Calendar Title: Statistical Foundations of Data Analytics.
Description:
This course will provide statistical foundations for data analytics. In this course, we will learn an introduction to advanced statistical techniques and methodologies including sampling, regression, time-series and multi-variate statistics. We will support our approach by looking at applied examples and real cases and datasets across several business areas, including marketing, human resources, finance, and operations. Students will apply their skills to interpret a real-world data set and make appropriate business recommendations.
Notes:
Prerequisite(s): MGCR 271 or equivalent.
Restrictions: Open to U2 and U3 students
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 402
Credit Weight: 3
Transcript Title: Operations Strategy
Calendar Title: Operations Strategy.
Description:
Effective management at the operating unit level, including the concept of
"operations strategy", action-oriented tools and frameworks for designing and managing operations innovation, effective use of operations-related technologies and supply chain strategy.

Notes:
Restriction: Not open to U0 and U1 students
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

MGSC 403
Credit Weight: 3
Transcript Title: Intro to Logistics Management
Calendar Title: Introduction to Logistics Management.
Description:
Managing logistics systems, including transportation management, facility location, procurement, distribution management, and supply chain management.
Notes:
Prerequisite: MGCR 472.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 404
Credit Weight: 3
Transcript Title: Founds of Decision Analytics
Calendar Title: Foundations of Decision Analytics.
Description:
This course teaches quantitative methods used in business decision making. Topics include: optimization models, decision trees, simulation, and computer simulation. Business applications of these techniques are emphasized. Students in this course will acquire expertise in computer based methods for decision making, through computer analysis of real-life problems.
Notes:
Restrictions: Open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 405
Credit Weight: 3
Transcript Title: Quality Management
Calendar Title: Quality Management.
Description:
Integrated view of quality management, quality systems and improvement techniques including tools and methodologies for quality improvement, six-sigma methodology.
Notes:
Prerequisite: MGCR 271
Restriction: Open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 415
Credit Weight: 3
Transcript Title: Supplier Management
Calendar Title: Supplier Management.
Description:
Strategic role of purchasing, supplier selection, supplier relationship management, international sourcing, E-procurement, price determination, purchasing services, and auctions.

Notes:
Restriction: Not open to U0 and U1 students
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 416
Credit Weight: 3
Transcript Title: Data-DrivenModelsforOpsAnalyt
Calendar Title: Data-Driven Models for Operations Analytics.
Description:
Examination of how data-driven models have been used to transform businesses and industries, using examples and case studies in e-commerce, retail, social and online networks, sports analytics, and online advertising. Demonstration of the use of data-driven analytics methods such as time series forecasting, network models, mixed-integer optimization, matching markets and exploration/exploitation.
Notes:
Prerequisites: MGCR 271, INSY 336 or permission of instructor and approval of the BCom Program Office
Restriction: Not open to students who have taken MGSC 434 when the topic was "Data-Driven Models for Operations Analytics"
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 431
Credit Weight: 3
Transcript Title: Operations&Supply Chain Anal
Calendar Title: Operations and Supply Chain Analysis.
Description:
This course introduces students to operations concepts and techniques with application to supply chain management. A supply chain consists of all activities involved in fulfilling customer demand and the management decisions have a direct impact on a firm's performance, such as operating cost, market penetration and customer service. The course covers both classical tactics and evolving new strategies to reduce cost, increase responsiveness and maintain sustainable growth in a firm's supply chain.
Notes:
Prerequisite: MGCR 472.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 434
Credit Weight: 3
Transcript Title: Topics in Operations Mgmt
Calendar Title: Topics in Operations Management.
Description:
Selected topics in operations management.
Notes:
Prerequisite: MGCR 271
Restrictions: Open to U2, U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 479
Credit Weight: 3
Transcript Title: Applied Optimization
Calendar Title: Applied Optimization.
Description:
Applications of optimization models to management problems, including Linear Programming, Integer Programming and Nonlinear Programming.
Notes:
Prerequisite: MGSC 373.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Inactive

MGSC 483
Credit Weight: 3
Transcript Title: Analytics-Based Community Proj
Calendar Title: Analytics-Based Community Project.
Description:
Aiding a host community organization in the application of analytics, with the aim of helping to improve the community's operations for the good of society.
Notes:
Prerequisite: Permission of Instructor
Restrictions: Only open to U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 488
Credit Weight: 3
Transcript Title: Sustainability and Operations
Calendar Title: Sustainability and Operations.
Description:
Social and environmental impacts of an organization's operations. Regulatory environments, eco-efficiency concepts and measurement systems. Lifecycle analysis and exploring impacts linked to: product design, sourcing, production, distribution, sales, and end-of-life recovery & treatment. Frameworks and best practices for reducing negative consequences and increasing positive ones.
Notes:
Restrictions: Open only to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 575
Credit Weight: 3
Transcript Title: ApplTimeSeriesAnalyMngrlFrcstg
Calendar Title: Applied Time Series Analysis Managerial Forecasting.
Description:
Management applications of time series analysis. Starting with ratio-to-moving average methods, the course deals successively with Census 2, exponential smoothing methods, the methodology introduced by Box and Jenkins, spectral analysis and time-series regression techniques. Computational aspects and
applications of the methodology are emphasized.

Notes:
Prerequisite (Undergraduate): MGCR 271.
Restriction: Open to U2 and U3 students.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 578
Credit Weight: 3
Transcript Title: Simulation of Mgmt Systems
Calendar Title: Simulation of Management Systems.
Description:
Building simulation models of management systems. Design of simulation experiments and the analysis and implementation of results. Students are expected to design a complete simulation of a real problem using a standard simulation language.

Notes:
Prerequisite: (Undergraduate) MGCR 271.
Restriction: Open to U2 and U3 students.

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MGSC 602
Credit Weight: 3
Transcript Title: Strategic Mgmt of Operations
Calendar Title: Strategic Management of Operations.
Description:
Tools, conceptual frameworks, and technological understanding necessary to manage operations in today's increasingly competitive marketplace.

Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.**
**This course will be held on May 24, 25, 26, 31, June 1 & 2, and there will be a take-home exam due on June 15, 2019.**

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 603
Credit Weight: 3
Transcript Title: Logistics Management
Calendar Title: Logistics Management.
Description:
The management of the logistics functions in a manufacturing firm. Internal logistics includes the design and operation of a production-distribution system, with emphasis on the management of supply chains in global manufacturing companies. External logistics includes an analysis of the prevailing sourcing strategies and alternative means of customer satisfaction. Important tools such as forecasting techniques and information technology are also covered.

Symbols:
Notes:
Prerequisite (Undergraduate): MGSC 472
This course will be held on May 2, 3, 8, 9 & 10, and will have the final exam on June 21, 2015.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 604**  
**Credit Weight:** 2  
**Transcript Title:** Mngrl Communctn:SplyChain Mgmt  
**Calendar Title:** Managerial Communication in Supply Chain Management.  
**Description:**  
Analysis of communication situations, including identification of the different viewpoints of the parties involved, cogent arguments based on the available data, communications with an effective structure, style, and tone.  
**Notes:**  
Restrictions: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.  
**This course will be held on June 11, 12, 18, 19 and there will be a final evaluation due on June 26, 2021.**  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 605**  
**Credit Weight:** 3  
**Transcript Title:** Total Quality Management  
**Calendar Title:** Total Quality Management.  
**Description:**  
The topics include: Top Management Commitment, Leadership Style, Bench Marking, Employee involvement, Human Resource Utilization, Employee Motivation, Quality Function Deployment, Statistical Techniques for Quality Improvement including the seven tools of quality and statistical process control. New topics of ISO9000, Just-in-Time, "Kaizen" and Return-of Quality are also discussed. Students are encouraged to do industry projects on TQM.  
**Symbols:**  
**Notes:**  
Prerequisite (Undergraduate): MGCR 272 or MGCR 274  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 607**  
**Credit Weight:** 1  
**Transcript Title:** CorpSoclRspnbly:SplyChainMgmt  
**Calendar Title:** Corporate Social Responsibility in Supply Chain Management.  
**Description:**  
Introduction to the basic theories and development on business ethics and corporate social responsibility (CSR).  
**Notes:**  
Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.  
**Due to the intensive nature of this course, the standard add/drop and**
withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
**This course will be held on June 4, 5, 25, 26 and there will be a paper due on July 17, 2021.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 608**  
**Credit Weight:** 3  
**Transcript Title:** Data Decisions and Models  
**Calendar Title:** Data Decisions and Models.  
**Description:** The goal is to evaluate quantitative information and to make sound decisions in complex situations. The course provides a foundation for various models of uncertainty, techniques for interpreting data and many decision making approaches in both deterministic and stochastic environments.  
**Symbols:**  
**Notes:** This course will be held on April 17, 18, 19, 24, 25 & 26, and will have the final exam on May 30, 2015.  
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 609**  
**Credit Weight:** 1  
**Transcript Title:** Operations Industrial Seminar  
**Calendar Title:** Operations Industrial Seminar.  
**Description:** Presentations by operations industry experts and manufacturing managers, covering the information on recent trends, issues and challenges.  
**Notes:** Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 610**  
**Credit Weight:** 2  
**Transcript Title:** Operations Case Studies  
**Calendar Title:** Operations Case Studies.  
**Description:** Case studies on a variety of manufacturing topics given by industry experts, that can be a historical example of a solved problem or a present problem. The case study is to be researched thoroughly and a solution is to be proposed.  
**Notes:** Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.  

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active
MGSC 611
Credit Weight: 9
Transcript Title: Operations Industrial Stage
Calendar Title: Operations Industrial Stage.
Description: The stage is to be completed under the supervision of an experienced engineer in the facilities of a participating/host company. The stage consists of a project that requires the approval of the host company and the course instructor.
Notes: Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.
 Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 614
Credit Weight: 3
Transcript Title: Computer Integrated Manufctrng
Calendar Title: Computer Integrated Manufacturing.
Description: A study of the present impact of information technology and automation on manufacturing. The characteristics of information systems and how they influence work flow. Computer-aided systems and their effect on productivity. The integration of information paradigm and its effect on manufacturing. Time based manufacturing principles. Implementation of CIM strategies and technologies. The course includes a manufacturing analysis project using computer simulation.
Notes: Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.
 Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 615
Credit Weight: 3
Transcript Title: Procurement and Distribution
Calendar Title: Procurement and Distribution.
Description: Key strategic, operational and technological issues associated with the role of procurement and distribution, including selection and management of suppliers, international sourcing, price determination, e-purchasing, and auctions. It will explore traditional as well as emerging business models and emphasize the use of operations-related technologies.
Symbols:
Notes:
**This course will be held on May 30, 31, June 6, 7, 13, 14 and there will be a take-home exam due on July 5, 2020
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
 Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 616
Credit Weight: 3
Transcript Title: Technology in Action
Calendar Title: Technology in Action.
Description:
Strategic and operational issues that arise when managing technological innovation.
Notes:
Restriction: To students in the Technology and Innovation Management Concentration
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 617
Credit Weight: 3
Transcript Title: Product Design
Calendar Title: Product Design.
Description:
A study of the fundamental design principles and techniques for user-centered designs in both product and service environments. Topics covered: the role of design in business, characteristics of good design, various effects of design (e.g., on cost, manufacturability, maintainability, environmental compatibility, marketability), design process frameworks, organizing for design.
Notes:
Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 618
Credit Weight: 3
Transcript Title: Data Analytics Foundations in Supply Chain Management.
Calendar Title: Data Analytics Foundations in Supply Chain Management.
Description:
Data processing and analysis skills; basics of Python; data processing, visualization and simple programming. Study of regression and simulation techniques to address management problems that arise in real-world business settings.
Notes:
Restriction: Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 631
Credit Weight: 3
Transcript Title: Analysis: Production Operations
Calendar Title: Analysis: Production Operations.
Description:
This course presents a framework for design and control of modern production and inventory systems, and bridges the gap between theory and practice of production
and inventory management. The course develops analytical concepts in the area and highlights their applications in manufacturing industry. The course is divided into three segments. The first segment looks at the production planning process and discusses in detail the resource allocation issues. The second segment deals with analysis and operation of inventory systems. The third segment integrates production planning and inventory control and looks at various integrated models for determining replenishment quantities and production lots.

**Symbols:**

**Notes:**
Prerequisite (Undergraduate): MGCR 472

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGSC 640**

**Credit Weight:** 3

**Transcript Title:** Fund. of Decision Analytics

**Calendar Title:** Fundamentals of Decision Analytics.

**Description:**
Business applications of quantitative methods used in data analysis and decision making. Topics include: optimization models, probability, decision trees, statistical inference and sampling, simulation, and computer simulation.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGSC 641D1**

**Credit Weight:** 1

**Transcript Title:** Operations Mgmt: Hlth Services

**Calendar Title:** Operations Management in Health Services.

**Description:**
Why effective operations management is essential to delivering safe, high-quality, cost-effective and patient-centred care. Fundamental concepts necessary to observe and understand the patient flows, including measuring demand and capacity, identifying key performance measures and pinpointing the sources of variability. Strategies to improve the patient flows, including workforce planning, optimization of admission and discharge processes as well as real-time demand and capacity management.

**Notes:**
Students must register for both MGSC 641D1 and MGSC 641D2
No credit will be given for this course unless both MGSC 641D1 and MGSC 641D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGSC 641D2**

**Credit Weight:** 1

**Transcript Title:** Operations Mgmt: Hlth Services

**Calendar Title:** Operations Management in Health Services.

**Description:**
For description see MGSC 641D1.

**Notes:**
Prerequisite: MGSC 641D1
No credit will be given for this course unless both MGSC 641D1 and MGSC 641D2 are successfully completed in consecutive terms

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

### MGSC 642

**Credit Weight:** 2

**Transcript Title:** Quality Management: Healthcare

**Calendar Title:** Quality Management in Healthcare.

**Description:**
Quality management concepts and tools with a focus on healthcare. Techniques and tools in collect and processing data on safety and quality. Quality improvement models and frameworks. Lean process improvement tools and scientific methodologies for understanding, analyzing and improving work processes. Sigma methodologies to eliminate quality defects. The most recent lean and six sigma applications that aim to provide better care at lower cost.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

### MGSC 642D1

**Credit Weight:** 1

**Transcript Title:** Quality Management: Healthcare

**Calendar Title:** Quality Management in Healthcare.

**Description:**
Quality management concepts and tools with a focus on healthcare. Techniques and tools in collect and processing data on safety and quality. Quality improvement models and frameworks. Lean process improvement tools and scientific methodologies for understanding, analyzing and improving work processes. Sigma methodologies to eliminate quality defects. The most recent lean and six sigma applications that aim to provide better care at lower cost.

**Notes:**
Students must register for both MGSC 642D1 and MGSC 642D2
No credit will be given for this course unless both MGSC 642D1 and MGSC 642D2 are successfully completed in consecutive terms
MGSC 642D1 and MGSC 642D2 together are equivalent to MGSC 642

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

### MGSC 642D2

**Credit Weight:** 1

**Transcript Title:** Quality Management: Healthcare

**Calendar Title:** Quality Management in Healthcare.

**Description:**
For description see MGSC 642D1.

**Notes:**
Prerequisite: MGSC 642D1
No credit will be given for this course unless both MGSC 642D1 and MGSC 642D2 are successfully completed in consecutive terms

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

### MGSC 650
Credit Weight: 3
Transcript Title: Operations and Risk Analytics
Calendar Title: Operations and Risk Analytics.
Description:
Business applications of decision making tools and frameworks under uncertainty in the context of internal and external operations. Topics include: operational metrics, demand forecasting, sales and operations planning, purchasing and supplier management, logistics and distribution management, capacity, and inventory management, and global operations.
Notes:
Prerequisite(s): MGSC 640
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 656
Credit Weight: 3
Transcript Title: Analytics Consulting
Calendar Title: Analytics Consulting.
Description:
Hands-on experience with analytics consulting projects in a variety of industries. The course will be a mixture of lecture, project milestone presentations, and project-specific guest speakers.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 660
Credit Weight: 3
Transcript Title: Math&Stat Fndtns for Analytics
Calendar Title: Mathematical and Statistical Foundations for Analytics.
Description:
This course consists of two parts: (i) The first half of the course focuses on probabilistic and statistical foundations of data analytics. At the end of this part, students will have the mathematical knowledge in following topics: probabilities, random variables, the Central Limit Theorem; prior and posterior distributions, and Bayes’ rule; correlation, and Sampling. (ii) The second half of the course focuses on mathematical foundations of decision analytics. At the end of this part, students will have the mathematical knowledge in following topics: linear algebra; calculus of several variables; convexity; separating hyperplanes; unconstrained and constrained optimization; lagrange multipliers.
Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the fourth lecture day.
**No web drop allowed.
**Web withdrawal not applicable.
**Web ADD only
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 661
Credit Weight: 3
Transcript Title: Multivariate Statcl Analysis
Calendar Title: Multivariate Statistical Analysis.
Description:
The course will begin with the standard linear regressions, and extend to multivariable regression models, factor analysis, principal components, selection models, and dynamic and nonlinear multivariate data methods. Students will be exposed to a broad range of techniques and applications in business analytics through conducting their own statistical analyses.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 662**  
**Credit Weight:** 3  
**Transcript Title:** Decision Analytics  
**Calendar Title:** Decision Analytics.  
**Description:** This course teaches quantitative methods used in business decision making. Topics include: optimization models, optimization under uncertainty, and simulation. Business applications of these techniques are emphasized. Students in this course will acquire expertise in quantitative methods for decision making, through computer analysis of real-life problems.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 670**  
**Credit Weight:** 1.5  
**Transcript Title:** Revenue Management  
**Calendar Title:** Revenue Management.  
**Description:** This course will introduce students to revenue management (RM) practices in air transportation, hospitality (hotels, cruises, theme parks, casinos), car rental, media, broadcasting, natural-gas storage and transmission, electricity generation and transmission, and show business (concerts, theaters, sport events). Most applications are recent and made possible by the advances in technology, data and decision analytics. However, there are issues of legality and customer backlash for charging different prices for virtually the same product. The course will touch upon these issues as well. Topics covered include capacity allocation, network management, overbooking, markdown pricing, and customized pricing.

**Notes:**  
Prerequisites: (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

**MGSC 672**  
**Credit Weight:** 1.5  
**Transcript Title:** Ops and Supply Chain Analytics  
**Calendar Title:** Operations and Supply Chain Analytics.  
**Description:** The course covers analytical models that explore the key issues associated with the design and management of supply chains. A considerable portion of the course is devoted to data-driven decision models that treat uncertainty explicitly. Topics include supply network design, inventory centralization, value of information, and contracts.

**Notes:**
Prerequisites: (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.

**During the last week, there will be a make-up class on Thursday, May 28th.

**Web ADD only.

**No web drop allowed.

**Web withdrawal not applicable.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGSC 673**

**Credit Weight:** 1.5

**Transcript Title:** Intro to AI & Deep Learning

**Calendar Title:** Introduction to Artificial Intelligence and Deep Learning.

**Description:**
Introduction to deep learning, through its use of neural networks, to learn from data and tasks such as classification, forecasting, data generation. The basis of deep learning up to the applications of the most recent research. Use of deep learning in a production environment, and leveraging techniques such as: Keras, hyperparameter tuning, image classification methods, back propagation, LSTMs, and Autoencoders.

**Notes:**

Prerequisite(s): (INSY 660 AND INSY 662) OR Instructor's approval AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGSC 690**

**Credit Weight:** 3

**Transcript Title:** Selected Topics in Mgmt Sci 1

**Calendar Title:** Selected Topics in Management Science 1.

**Description:**
Advanced topics that will be selected from current issues in the management science area.

**Symbols:**

**Notes:**

Only open to students in the Master of Management in Manufacturing Management; Non-Thesis program.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**MGSC 691**

**Credit Weight:** 3

**Transcript Title:** Selected Topics in Mgmt Sci 2

**Calendar Title:** Selected Topics in Management Science 2.

**Description:**
A study of current selected issues in the management science area.

**Notes:**

Restriction: Only open to students in the Master of Management in Manufacturing Management, Non-Thesis program.

**Administrating Faculty:** Graduate Studies

**Teaching Department:** Management
Status (catalog level): Active

MGSC 695
Credit Weight: 1.5
Transcript Title: Adv Topics in Mgmt Science
Calendar Title: Advanced Topics in Management Science.
Description: Current emerging topics in operations management. Course content will vary each term.
Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.
**Web ADD only.
**No web drop allowed.
**Web withdrawal not applicable.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 702
Credit Weight: 3
Transcript Title: Operations Management Seminar
Calendar Title: Operations Management Seminar.
Description: Advanced research training in operations management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 706
Credit Weight: 3
Transcript Title: Management Research Statistics
Calendar Title: Management Research Statistics.
Description: Fundamental concepts, theory and methods of statistics essential to undertaking and evaluating research in the field of management.
Notes:
Prerequisite: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 708
Credit Weight: 3
Transcript Title: Healthcare Operations Mgmt
Calendar Title: Healthcare Operations Management.
Description: Course structured into two modules: Decision Analysis - provides a comprehensive introduction to how to make decision in an uncertain environment. Designing and Improving Healthcare Processes - builds on the methodology framework presented in first part in order to study and formulate design problems pertaining to different phases of the healthcare continuum.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 709
Credit Weight: 3
Transcript Title: Manufacturing Systems
Calendar Title: Manufacturing Systems.
Description: Manufacturing and attributes operations and the models used to design, evaluate and optimize these operations.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 710
Credit Weight: 3
Transcript Title: Applied Optimization
Calendar Title: Applied Optimization.
Description: Algorithmic developments in optimization and advanced software applications for modelling.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MGSC 711
Credit Weight: 3
Transcript Title: Public Sector Operations Mgmt
Calendar Title: Public Sector Operations Management.
Description: Governments around the globe are primarily responsible for providing national defense, civil order and justice within their jurisdiction. Albeit in varying degrees, governments are also actively involved in the provision of crucial services, including education, healthcare, utilities and transportation. The course will focus on the use of quantitative techniques to assist with policy making in the areas of (i) environmental risk, (ii) sustainable operations and (iii) public safety.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MHEC 600
Credit Weight: 4
Transcript Title: Création de valeur
Calendar Title: Création de valeur.
Description:
How value is created in organizations. Topics include the business models of firms in different contexts, macroeconomic forces that affect the environment of firms, effects of e-business on traditional business models, role of technological, human, and financial resources in value creation process, and the challenges and opportunities of organizational transformation.
Notes:
Restriction(s): EMBA students only
This course contains 52 hours of contact time in class.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MHEC 601
Credit Weight: 4
Transcript Title: Excellence opérationnelle
Calendar Title: Excellence opérationnelle.
Description:
How to achieve operational excellence in organizations. Topics include excellence as a managerial approach, different perspectives of operational excellence, operations logistics and optimization, achieving operational excellence through human and informational capital, and optimizing the financial decisions in firms.
Notes:
Restriction(s): EMBA students only
This course contains 52 hours of contact time.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MHEC 602
Credit Weight: 4
Transcript Title: Outils et pratiques de gestion
Calendar Title: Outils et pratiques de gestion.
Description:
Main tools and analytical techniques that are available to managers to analyze the environment and how the firm evolves in different contexts. It presents an overview of different analytical approaches. Topics include economics, statistics, financial and accounting analysis, as well as tools to analyze operations.
Notes:
Restriction(s): EMBA students only
This course contains 52 hours of contact time.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MICR 300
Credit Weight: 3
Transcript Title: Microbial Physiology Lab
Calendar Title: Microbial Physiology Laboratory.
Description:
Application of microbiological techniques relating to physiology, culturing, and characterization of microorganisms. Topics include bacterial growth curves, bacterial metabolic requirements, enzymatic assays.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
Prerequisites: MICR 230 or LSCI 230
Restriction: Not open to students who have taken MICR 200.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

MICR 331
Credit Weight: 3
Transcript Title: Microbial Ecology
Calendar Title: Microbial Ecology.
Description:
The ecology of microorganisms, primarily bacteria and archaea, and their roles in biogeochemical cycles. Microbial interactions with the environment, plants, animals and other microbes emphasizing the underlying genetics and physiology. Diversity, evolution (microbial phylogenetics) and the application of molecular biology in microbial ecology.
Notes:
Winter
Prerequisite(s): LSCI 230 or AEIB 212 or ENVR 202 or permission of the instructor.
Not recommended for U1 students.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

MICR 338
Credit Weight: 3
Transcript Title: Bacterial Molecular Genetics
Calendar Title: Bacterial Molecular Genetics.
Description:
Basic bacterial genetics, DNA damage and repair, mutagenesis, gene cloning, mapping and regulation, molecular biology. Laboratory sessions will provide the student with practical experience in the genetic manipulation of microbes and in molecular biology techniques.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite: LSCI 230
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

MICR 341
Credit Weight: 3
Transcript Title: Mechanisms of Pathogenicity
Calendar Title: Mechanisms of Pathogenicity.
Description:
A study of the means by which bacteria cause disease in animals and humans. Includes response of host to invading bacteria, bacterial attachment and penetration processes, and modes of actions of exotoxins and endotoxins.

Symbols: ALTY - Taught in alternate years

Notes: Prerequisite: LSCI 230

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

MICR 450
Credit Weight: 3
Transcript Title: Environmental Microbiology
Calendar Title: Environmental Microbiology.
Description: Focus on microbes in the environment. Topics include extreme environments, polar microbiology, biotechnology and bioremediation. Emphasis will be on population studies based upon molecular biological methods.
Symbols: ALTY - Taught in alternate years
Notes: Prerequisites: LSCI 230

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

MICR 772
Credit Weight: 3
Transcript Title: Molecular Microbiology
Calendar Title: Molecular Microbiology.
Description: Topics in molecular microbial genetics, physiology and ecology.
Notes: Restriction: Not open to students who have successfully completed NRSC 772

Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

MICR 773
Credit Weight: 3
Transcript Title: Adv Environmental Microbiology
Calendar Title: Advanced Environmental Microbiology.
Description: Current advances in environmental microbiology, microbial ecology, and molecular microbial ecology ranging from applications, biogeochemical cycling, biotechnology, genomics, and astrobiology.
Notes: Restriction: Not open to students who have successfully completed NRSC 773.

Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
MIME 200
Credit Weight: 3
Transcript Title: Intro to the Minerals Industry
Calendar Title: Introduction to the Minerals Industry.
Description:
Notes:
(3-3-3)
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 202
Credit Weight: 2
Transcript Title: Eng Communication Skills
Calendar Title: Engineering Communication Skills.
Description:
Basic forms of engineering communication: memoranda, executive summaries, letters, proposals, evaluations, oral presentations and presentation graphics, email, groupware, workflow, internet, graphics and presentation tools. Adaptation into engineering. Short assignments and oral presentations.
Notes:
(1-2-3)
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Inactive

MIME 203
Credit Weight: 2
Transcript Title: Mine Surveying
Calendar Title: Mine Surveying.
Description:
Notes:
(3-3-0)
Prerequisite: MECH 289
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 209
Credit Weight: 3
Transcript Title: Mathematical Applications
Calendar Title: Mathematical Applications.
Description:
MIME 212
Credit Weight: 3
Transcript Title: Engineering Thermodynamics
Calendar Title: Engineering Thermodynamics.
Description:

MIME 250
Credit Weight: 3
Transcript Title: Intro to Extractive Metallurgy
Calendar Title: Introduction to Extractive Metallurgy.
Description:
Introduction to physical, hydrochemical, electrochemical and thermochemical processing in the production of metals and materials; description of the industries, basic processing concepts, unit operations and an introduction to environmental exchanges. Size reduction and classification, particle separation, stoichiometric and mass balance calculations, chemical equilibria, aqueous processing, smelting and refining.

MIME 260
Credit Weight: 3
Transcript Title: Materials Science & Engineering
Calendar Title: Materials Science and Engineering.
Description:
Structure properties and fabrication of metals, polymers, ceramics, composites; engineering properties: tensile, fracture, creep, oxidation, corrosion, friction, wear; fabrication and joining methods; principles of materials selection.

MIME 261
Credit Weight: 3
Transcript Title: Structure of Materials
Calendar Title: Structure of Materials.
Description:
Classification of materials, electrons in atoms, molecules and solids, bonding in solids, elements of crystallography, common crystal structures, atoms positions, directions and planes in crystal structures, defects in crystalline solids, point defects, dislocations, structure of polycrystalline materials, grains, grain boundaries, non-crystalline solids.
Notes:
(3-2-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 262
Credit Weight: 3
Calendar Title: Properties of Materials in Electrical Engineering.
Description:
Properties of a material continuum and crystalline state; properties of atoms in materials; conduction electrons in materials; electronic properties of semiconductors and metals; magnetic and thermal properties of materials; applications of electronic materials in semiconductor technology, recording media and transducers.
Notes:
(3-1-5)
Restriction: Not open to students who have taken or are taking ECSE 212.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 280
Credit Weight: 2
Transcript Title: Industrial Training 1
Calendar Title: Industrial Training 1.
Description:
Four-month training period in a materials engineering industrial or research environment. Work term report due upon completion.
Notes:
Prerequisites: Department permission required. Must have completed a minimum of 40 credits of the core program.
Restriction: Open only to McGill students.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 290
Credit Weight: 2
Transcript Title: Industrial Work Period 1
Calendar Title: Industrial Work Period 1.
Description:
A four-month work period in the mineral industry, to expose the student to an industrial environment. Candidates will receive basic industrial training. A complete report must be submitted at the end of the term.
Notes:
Prerequisites: MIME 200 and MIME 203
All students registering in this course are subject to an additional course fee of $600.70 to defray the costs of administering

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 291**
**Credit Weight:** 2
**Transcript Title:** Industrial Work Period 2
**Calendar Title:** Industrial Work Period 2.
**Description:**
A four-month industrial work period in a mining company, research laboratory or government agency. The student will receive formal industrial training in a technical position. A complete report must be submitted at the end of the term.
**Notes:**
Prerequisite: MIME 290
This course in the Faculty of Engineering is open only to McGill students.
All students registering in this course are subject to an additional course fee of $600.70 to defray the costs of administering the stage.

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 308**
**Credit Weight:** 3
**Transcript Title:** Social Impact of Technology
**Calendar Title:** Social Impact of Technology.
**Description:**
Critical examination of the socio-economic costs and benefits of technology, case studies of old engineering works and new technologies. The integration of applied ethics and engineering practice, analysis of basic concepts of technology assessment, the inter-connected processes of risk assessment, management, and communication.
**Notes:**
(3-0-6)
Enrolment encouraged by students outside the Faculty of Engineering

**Administering Faculty:** Faculty of Engineering
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 311**
**Credit Weight:** 3
**Transcript Title:** Modelling&Automatic Control
**Calendar Title:** Modelling and Automatic Control.
**Description:**
Mass and energy conservation laws. Dynamic versus steady state models, dynamic behaviour of first and higher order metallurgical systems, linear and nonlinear models, interacting and noninteracting systems. Laplace domain dynamics and transfer functions. Feedback control, control valves and controllers, transducers. Feedback-feedforward control, introduction to cascade, adaptive and statistical control strategies. Digital computer control, instruments and interfaces.
**Notes:**
(3-2-4)
Prerequisite: MIME 356

**Administering Faculty:** Faculty of Engineering
Teaching Department: Mining & Materials Engineering  
Status (catalog level): Active

MIME 317
Credit Weight: 3  
Transcript Title: Analytical & Characterization Techs  
Calendar Title: Analytical and Characterization Techniques.  
Description:  
Bulk, surface and microanalytical techniques for materials characterization. Bulk analysis: spectrophotometry using UV, visible, flame and atomic absorption, x-ray diffraction and x-ray fluorescence. Surface and microanalysis: infrared spectroscopy, scanning and transmission electron microscopy, Auger electron and x-ray photoelectron spectroscopy.  
Notes:  
(3-1-5)  
Prerequisite: MIME 261  
Administering Faculty: Faculty of Engineering  
Teaching Department: Mining & Materials Engineering  
Status (catalog level): Active

MIME 320
Credit Weight: 3  
Transcript Title: Extraction of Energy Resources  
Calendar Title: Extraction of Energy Resources.  
Description:  
The extraction of energy resources, i.e. coal, gas, oil and tar sands. After a brief geological review, different extraction techniques for these substances will be discussed. Emphasis on problems such as northern mining and offshore oil extraction with reference to Canadian operations. Transportation and marketing.  
Notes:  
(3-0-6)  
Administering Faculty: Faculty of Engineering  
Teaching Department: Mining & Materials Engineering  
Status (catalog level): Active

MIME 322
Credit Weight: 3  
Transcript Title: Fragmentation and Comminution  
Calendar Title: Fragmentation and Comminution.  
Description:  
Notes:  
(3-3-3).  
Prerequisite (Undergraduate): MIME 200  
Prerequisites: MIME 209 or MECH 262 or CIVE 302 or CHEE 231 or ECSE 205  
Corequisites: MIME 341  
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 323
Credit Weight: 3
Transcript Title: Rock and Soil Mass Character
Calendar Title: Rock and Soil Mass Characterization.
Description:
Characteristics of soil and rock masses and the stability of mine workings. Mechanical properties of rocks and soils related to physical/chemical properties. Characterization of rock mass discontinuities. Laboratory and in-situ techniques to define mechanical properties of soils, rocks and discontinuities. Permeability and groundwater flow principles. In-situ stresses and their measurement. Rock mass quality and classification systems.
Notes:
(3-3-3)
Prerequisite (Undergraduate): EPSC 221 and MIME 200
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 325
Credit Weight: 3
Transcript Title: Mineral Industry Economics
Calendar Title: Mineral Industry Economics.
Description:
Geographical distribution of mineral resources. Production, consumption and prices of minerals. Market structure of selected minerals. Economic evaluation aspects: grade-tonnage considerations; capital and operating cost estimation; assessment of market conditions; estimation of revenue; taxation; sensitivity and risk analyses; economic optimization of mine development and extraction.
Notes:
(3-2-4)
Prerequisite: FACC 300.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 329
Credit Weight: 2
Transcript Title: Mining Geology
Calendar Title: Mining Geology.
Description:
Methods of field mapping (e.g., geology, structure), drilling and sampling; concept of cut-off grade; resource estimation by conventional and geostatistical methods.
Notes:
(2-1-3)
Prerequisites: EPSC 221, MIME 200 and instructor permission
Restrictions: Not open to students from CEGEP entry or who have taken MPMC 329.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 330
Credit Weight: 3
Transcript Title: Mining Geotechnics
Calendar Title: Mining Geotechnics.
Description:
Properties of soils; permeability and seepage; effective stress concept; compressibility and settlement; lateral earth pressure; soil compaction; stability and design of embankments and mine tailings dams; problems related to mine tailings: liquefaction and disposal; gravitational flow of soils; buried structures.
Notes:
Prerequisite(s): MIME 323
Restriction(s): Not open to students who have taken or are taking MPMC 330.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 333
Credit Weight: 3
Transcript Title: Materials Handling
Calendar Title: Materials Handling.
Description:
Notes:
(3-3-3)
Prerequisite: MIME 200
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 340
Credit Weight: 3
Transcript Title: Applied Fluid Dynamics
Calendar Title: Applied Fluid Dynamics.
Description:
Notes:
(3-3-3)
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 341
Credit Weight: 3
Transcript Title: Intro to Mineral Processing
Calendar Title: Introduction to Mineral Processing.
Description:
Theory and practice of unit operations including: size reduction-crushing and grinding; size separation-screening and classification; mineral
separation-flotation, magnetic and gravity separation. Equipment and circuit
design and selection. Mass balancing. Laboratory procedures: grindability,
liberation, magnetic and gravity separation, flotation and solid-liquid
separation.

Notes:
(3-0.5-5.5)
Prerequisite (Undergraduate): MIME 200 or MIME 250

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 345
Credit Weight: 3
Transcript Title: Applications of Polymers
Calendar Title: Applications of Polymers.
Description:
Applications of synthetic and natural polymers and composites as engineering
materials, e.g. in biomedical, automotive and aerospace applications.
Thermoplastics, thermosets and elastomers. Animal and plant origin, degradable and
non-degradable polymers. Particulate and fibre reinforced polymer matrix
composites. Manufacturing routes, and characterization tools for their physical,
thermal, mechanical and chemical properties.

Notes:
(3-1-5)
Prerequisite: MIME 261 or permission of instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 350
Credit Weight: 3
Transcript Title: Extractive Metallurgical Eng
Calendar Title: Extractive Metallurgical Engineering.
Description:
Principle non-ferrous base-metal pyrometallurgical extraction processes, relevant
thermodynamics, heat and mass balances, transport phenomena (copper, nickel, lead,
zinc, aluminum, magnesium). Ores, gangue, fuels, slag, fluxes, recovery, refining,
minor elements, byproducts and the environment. Roasting, drying, smelting,
converting, reverberatory furnaces, flash furnaces, continuous and batch
operations, injection practices and oxygen enrichment. Simulation, modelling,
control and optimization.

Notes:
(3-1-5)
Prerequisites: MIME 200 or MIME 250, MIME 212

**Due to the St. Jean and Canada Day holidays, there will be make up classes on
Thursday, June 15th and Monday, July 3rd.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 352
Credit Weight: 3
Transcript Title: Hydrochemical Processing
Calendar Title: Hydrochemical Processing.
Description:
Analysis and description of dissolution (leaching), solute separation (solvent
extraction, ion exchange, carbon adsorption) and deposition operations
(precipitation, crystallization, electrolysis) in aqueous reaction media as these apply to: (i) the hydrometallurgical extraction of metals from primary/secondary sources; (ii) the treatment of effluents and (iii) the production of inorganic materials.

Notes:
(3-1.5-4.5)
Prerequisites: CHEM 233, MIME 212, MIME 200 or MIME 250, and MIME 356

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 356
Credit Weight: 4
Transcript Title: Heat, Mass and Fluid Flow
Calendar Title: Heat, Mass and Fluid Flow.
Description:

Notes:
(4-2-6)
Prerequisites: MIME 212

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 360
Credit Weight: 3
Transcript Title: Phase Transformations: Solids
Calendar Title: Phase Transformations: Solids.
Description:
Free energy (equilibrium) and kinetic (non-equilibrium) considerations, phase diagrams and TTT diagrams, solid state diffusion, diffusional (nucleation and growth) and shear (martensitic) transformations.

Notes:
(3-1-5)
Pre/Corequisite: MIME 212.
Prerequisite: MIME 260 or MIME 261.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 362
Credit Weight: 3
Transcript Title: Mechanical Properties
Calendar Title: Mechanical Properties.
Description:

Notes:
(2-3-4)
Prerequisite: MIME 360
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 380
Credit Weight: 2
Transcript Title: Industrial Training 2
Calendar Title: Industrial Training 2.
Description: One four-month work period in industry. Work term report due upon completion.
Notes: Prerequisite: MIME 280
Restriction: Open only to McGill students.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 392
Credit Weight: 2
Transcript Title: Industrial Work Period 3
Calendar Title: Industrial Work Period 3.
Description: A four-month industrial work period in a mining company, research laboratory or government agency. Based on the experience gained during the first two work periods, the student may be asked to undertake more challenging technical tasks. A complete report must be submitted at the end of the term.
Notes: Prerequisite: 75 credits including MIME 291
All students registering in this course are subject to an additional course fee of $600.70 to defray the costs of administering the stage.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 410
Credit Weight: 3
Transcript Title: Materials Research Project
Calendar Title: Materials Research Project.
Description: A research project will be carried out, usually in groups, under the guidance of a staff member. A technical report will be prepared at the end and a formal presentation will be made on the research topic.
Notes: (0-6-3)
Prerequisite: Recommendation of instructor
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 413
Credit Weight: 3
Transcript Title: Strat Mine Plan W/Uncertainty
Calendar Title: Strategic Mine Planning With Uncertainty.
Description: Strategic decision-making for mine planning given uncertain metal supply from
orebodies and commodity demand. Stochastic optimization techniques in mine design and production scheduling. Uncertainty quantification and orebody representation. Stochastic mine optimization in applications from open pit and underground metal mines. Introduction to sustainable development and utilization of mineral resources.

Notes:
3-3-3
Prerequisites: MIME 325, MIME 419, MPMC 326, and MPMC 329.
Restriction(s): Not open to students who have taken MIME 513.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Mining & Materials Engineering

**Status (catalog level):** Active

**MIME 419**

**Credit Weight:** 3

**Transcript Title:** Surface Mining

**Calendar Title:** Surface Mining

**Description:**

Notes:
(3-3-3)
Prerequisite (Undergraduate): MIME 322, MIME 333 and MIME 325

**Regular schedule May 10, 2021, to June 21, 2021**

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.**

*Although this course follows a Monday/Wednesday class schedule pattern, there will be a lecture on Friday, May 26th.*

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Mining & Materials Engineering

**Status (catalog level):** Active

**MIME 421**

**Credit Weight:** 3

**Transcript Title:** Rock Mechanics

**Calendar Title:** Rock Mechanics

**Description:**

Notes:
(3-3-3)

Prerequisites: MIME 323 and instructor permission

Restrictions: Not open to students from CEGEP entry or who have taken MPMC 321.

**Administering Faculty:** Faculty of Engineering

**Teaching Department:** Mining & Materials Engineering

**Status (catalog level):** Active

**MIME 422**

**Credit Weight:** 3

**Transcript Title:** Mine Ventilation
Calendar Title: Mine Ventilation.
Description:
Notes:
(3-3-3)
Prerequisite: MIME 340
Restriction: Not open to students who have taken MPMC 422.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 424
Credit Weight: 3
Transcript Title: Underground Mining Methods
Calendar Title: Underground Mining Methods.
Description:
Fundamentals of underground mining methods; orebody characteristics and host rock; drilling and blasting procedures; general and specialized equipment; mining method selection criteria; cost estimation; calculation of cut-off grade, ore recovery and dilution; mine developments and underground infrastructure: raises, chutes, loading pockets, dump points, raises, and ore bins; mine safety practice.
Notes:
Prerequisite(s): MIME 322, MIME 325, and MIME 333
Restriction(s): Not open to students from CEGEP entry or who have taken MPMC 421.
(3-3-3)
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
**Monday May 18 is a statutory holiday; therefore the instructor will make up for the class on Friday May 22nd.
**Wednesday June 24th is a statutory holiday; therefore the instructor will make up for the class on Friday June 26th.
**Wednesday July 1st is a statutory holiday therefore the instructor would like to make up for the class on Friday July 3rd.
**Regular schedule of MW is May 20th, May 25th, May 27th, June 1st, June 3rd, June 8th, June 10th, June 15th, June 17th, June 22 & June 29, 2020.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 425
Credit Weight: 3
Transcript Title: Appl Stoch Orebody Modelling
Calendar Title: Applied Stochastic Orebody Modelling.
Description:
Notes:
Prerequisite(s): MPMC 326 and MPMC 329.
Restriction(s): Not open to students who have taken MIME 525.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 426
Credit Weight: 6
Transcript Title: Mine Design & Prefeasib Study
Calendar Title: Mine Design and Prefeasibility Study.
Description:
A case study design exercise. Design and selection of the facilities required to start production. Use of design criteria dictated by mining plans, geography, geology and government regulations. Professional appraisal of the technical and economic prefeasibility of developing a mineral deposit. Students prepare a professional-level report and seminar presentation.
Notes:
Prerequisite(s): MIME 422 and (MIME 421 or MPMC 321) and (MIME 424 or MPMC 421)

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 428
Credit Weight: 3
Transcript Title: Environmental Mining Eng
Calendar Title: Environmental Mining Engineering.
Description:
Notes:
Prerequisite(s): MIME 323 and CIVE 205
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 442
Credit Weight: 3
Transcript Title: Anal, Mod&Opt in Min Processing
Calendar Title: Analysis, Modelling and Optimization in Mineral Processing.
Description:
Notes:
(3-1.5-4.5)
Prerequisite: MIME 341
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 452
Credit Weight: 4
Transcript Title: Process and Materials Design
Calendar Title: Process and Materials Design.
Description:
Capstone design of metals production or other process plants, materials, or products. Formulation of an engineering problem, and solution selection from multiple solutions. Creation of preliminary engineering estimates that consider materials and energy balances, process selection, emission controls, engineering economics, safety, stakeholder, and environmental assessments in technical report format.
Notes:
(1-2-9)
Prerequisites MIME 311, MIME 341, MIME 352, MIME 362, FACC 300, WCOM 206

MIME 455
Credit Weight: 3
Transcript Title: Advanced Process Engineering
Calendar Title: Advanced Process Engineering.
Description:
Notes:
(3-1.5-4.5)
Prerequisite: MIME 356

MIME 456
Credit Weight: 3
Transcript Title: Steelmaking & Steel Processing
Calendar Title: Steelmaking and Steel Processing.
Description:
The production and refining of liquid iron in the iron blast furnace, the production and refining of liquid steel, secondary refining operations, continuous casting and thermomechanical processing (hot rolling). Specialty steels and newly emerging technologies (e.g. thin slab casting, direct ironmaking) are also discussed in terms of process/environment and productivity. "Downstream" topics will include cold rolling, batch and continuous annealing, and coating operations.
Notes:
(3-1-5)
Prerequisite: MIME 360. Pre/corequisite: MIME 455
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 465
Credit Weight: 3
Transcript Title: Metal & Ceram Powd Proc
Calendar Title: Metallic and Ceramic Powders Processing.
Description:
Notes:
(3-1-5)
Prerequisite: MIME 360

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 467
Credit Weight: 3
Transcript Title: Electronic Properties of Mtls
Calendar Title: Electronic Properties of Materials.
Description:
Electrons as particles and waves, Schrodinger's Equation, electrical and thermal conductivity, semiconductors, semiconductor devices, fundamentals of magnetism, superconductivity and superconductive materials, dielectric materials, optical properties of materials, LASERs and waveguides. Advanced materials and their technological applications. An introduction to quantum mechanics will be included which will be the foundation upon which energy band diagrams will be built and understood.
Notes:
(6-1.5-3.5)
Prerequisites: MATH 263 and MIME 261
Restriction: Not open to students who have taken MIME 367

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 470
Credit Weight: 3
Transcript Title: Engineering Biomaterials
Calendar Title: Engineering Biomaterials.
Description:
Notes:
(3-0-6)
Prerequisite: MIME 261 or equivalent. Permission of instructor.
Attendance is mandatory for a one-time 3-hour lab, scheduled during the semester.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MIME 473
Credit Weight: 3
Transcript Title: Intro to Comp Matls Design
Calendar Title: Introduction to Computational Materials Design.
Description: Introduction to modelling and simulation techniques in materials engineering: quantum mechanics and atomistic simulation (i.e. Monte-Carlo and Molecular Dynamics). These modelling and simulations methods provide new and efficient tools to examine and predict various physical and mechanical properties of materials, enabling bottom-up design of materials and structures starting from quantum and atomistic level. These computational tools play an increasingly important role in modern materials engineering. Fundamental theories behind materials modelling and hands-on training on various modelling software.
Notes:
Prerequisite(s): MIME 209 and MIME 261, or permission of instructor.
Restriction(s): Not open to students who have taken MIME 573.
(3-1.5-4.5)
Administration Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 480
Credit Weight: 2
Transcript Title: Industrial Training 3
Calendar Title: Industrial Training 3.
Description: Four-month work period in industry. Work term report with co-op seminar due upon completion.
Notes:
Prerequisite: MIME 380
Restriction: Open only to McGill students.
Administration Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 481
Credit Weight: 2
Transcript Title: Industrial Training 4
Calendar Title: Industrial Training 4.
Description: Four-month work period in industry. Work term report due upon completion.
Notes:
Prerequisites: MIME 480. Department permission required.
Restriction: Open only to McGill students.
Administration Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 484
Credit Weight: 3
Transcript Title: Mining Project
Calendar Title: Mining Project.
Description: A mining research project to be completed during one semester. The project must be approved by an academic advisor. A comprehensive report and a seminar presentation
are required for the project.

Notes:
(0-0-9)

Prerequisite(s): 85 credits completed (non-CEGEP students) or 60 credits completed (students from a CEGEP background).

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

**MIME 494**
Credit Weight: 2
Transcript Title: Industrial Work Period 4
Calendar Title: Industrial Work Period 4.
Description:
A four-month industrial work period after which the student must submit a report.

Notes:
Prerequisites: MIME 419, MPMC 328 and MPMC 421
All students registering in this course are subject to an additional course fee of $585.25 to defray the costs of administering the stage.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

**MIME 495**
Credit Weight: 2
Transcript Title: Industrial Work Period 5
Calendar Title: Industrial Work Period 5.
Description:
A four-month industrial work period after which the student must submit a report.

Notes:
Prerequisite(s): MIME 494
All students registering in this course are subject to an additional course fee of $513.50 to defray the costs of administering the stage.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

**MIME 511**
Credit Weight: 3
Transcript Title: Adv Subsurface Ventilation & AC
Calendar Title: Advanced Subsurface Ventilation and Air Conditioning.
Description:

Notes:
(3-0-6).
Prerequisites: Permission of instructor.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

**MIME 512**
Credit Weight: 3
Transcript Title: Corrosion & Degradation of Mtls
Calendar Title: Corrosion and Degradation of Materials.
Description:

Notes:
(3-1.5-4.5)
Prerequisites: MIME 261 and MIME 352 or permission of instructor. Restriction: Not open to students who have taken MIME 412.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 513
Credit Weight: 3
Transcript Title: Mine Plan Optim Under Uncert
Calendar Title: Mine Planning Optimization Under Uncertainty.

Description:

Notes:
3-3-3
Prerequisite: Permission of instructor. Restriction: Not open to students who have taken MIME 413.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 514
Credit Weight: 3
Transcript Title: Sust. Analysis of Mining Sys.
Calendar Title: Sustainability Analysis of Mining Systems.

Description:
Concepts of sustainability analysis applied to mining projects. Case studies topics selected from: Stakeholder Engagement and Participation; Biodiversity and Conservation Management; Mine Water Management; Tailings and Waste Rock Management. Relationship between risk management and life-cycle assessment. Mass balancing and logistical modeling applied within the mining value chain, with an emphasis on sustainability. Quantification of systemic balances between environmental, economic and social indicators, using geostatistical simulations, discrete event simulation, and multi-objective optimization techniques.

Notes:
(3-2-4)
Prerequisite: FACC 300 and MIME 341, or permission of the instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 515
Credit Weight: 3
Transcript Title: (Bio)mat Surface Analy&Modfctn
Calendar Title: (Bio)material Surface Analysis and Modification.
Description: Material surface properties and how they affect their real-world applications, with emphasis on biologically relevant applications. Material surface modification techniques. Material surface characterization techniques.
Notes: (3-0-6)
Prerequisites: (CHEM 233 and MIME 261 and MIME 317) or (CHEE 310 and CHEE 380) or permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 520
Credit Weight: 3
Transcript Title: Stability of Rock Slopes
Calendar Title: Stability of Rock Slopes.
Notes: (3-0-6)
Prerequisite: Permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 521
Credit Weight: 3
Transcript Title: Stability of Undergrd Openings
Calendar Title: Stability of Underground Openings.
Description: The properties of rock masses and stability classification systems. The influence and properties of geological structural features. Stability related to the design of underground openings and mining systems. Site investigations. Methods of stabilization.
Notes: (3-3-3)
Prerequisite: Permission of instructor
This course in the Faculty of Engineering is open only to McGill students.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 522
Credit Weight: 3
Transcript Title: Mineral Reserve Assess Techs
Calendar Title: Mineral Reserve Assessment Techniques.
Description: Techniques in mineral reserve assessment.
Notes: (3-3-3)
Prerequisites: COMP 208 or equivalent, MIME 209 or equivalent
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 524
Credit Weight: 3
Transcript Title: Mineral Resources Economics
Calendar Title: Mineral Resources Economics.
Description:
Analysis of significant factors affecting mineral supply, including oil and gas. Role of governments, concept of economic rent and determinants of a mineral policy. Objectives, strategies and concerns of mining and oil and gas companies. International resource environment, commodity associations, mineral investment and trade patterns.
Notes:
(3-0-6)
Prerequisite: FACC 300 or equivalent, or permission of instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 525
Credit Weight: 3
Transcript Title: Stochastic Orebody Modelling
Calendar Title: Stochastic Orebody Modelling.
Description:
Notes:
(3-3-3)
Prerequisite: Permission of instructor
Not open to students who have taken MIME 425.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 526
Credit Weight: 3
Transcript Title: Mineral Economics
Calendar Title: Mineral Economics.
Description:
Mineral project evaluation techniques and applications. Topics covered include grade-tonnage relationships, capital and operating cost estimation techniques, assessment of mineral market conditions, taxation, discounted cash flow analysis, risk analysis, and optimization of project specifications with respect to capacity and cutoff grade.
Notes:
(3-2-5)
Prerequisite: Permission of instructor. (Background in economics required.)
Not open to students who have taken MIME 325.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MIME 527
Credit Weight: 3
Transcript Title: Selected Topics in Min Res Eng
Calendar Title: Selected Topics in Mineral Resource Engineering.
Description: A comprehensive study of selected topics in the mineral resource sector.
Notes: (1-0-8)
Prerequisite: 65 credits (if admitted as U1) or 85 credits (if admitted as U0)
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 542
Credit Weight: 3
Transcript Title: Transmission EM
Calendar Title: Transmission Electron Microscopy.
Description: Comprehensive study of transmission electron microscopy (TEM). Theory, principles and practical application of imaging, analysis and advanced sample preparation relevant to biological and non-biological materials.
Notes: (2-2-4)
Prerequisite: Permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 544
Credit Weight: 3
Transcript Title: Analysis:Min'l Proc'ng Sys 1
Calendar Title: Analysis: Mineral Processing Systems 1.
Description: The course covers three main topics: principles of separation, including data presentation, properties of recovery/ yield plots, technical and economic efficiency and identification of limits to separation; column flotation, hydrodynamics of collection and froth zones, mixing, scale-up and design, measurements and control; surface and electrochemistry, including absorption, surface charge, coagulation, electron transfer reactions, electrochemistry in plant practice.
Notes: (2-3-4)
Prerequisite (Undergraduate): MIME 341
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 545
Credit Weight: 3
Transcript Title: Analysis:Min'l Proc'ng Sys 2
Calendar Title: Analysis: Mineral Processing Systems 2.
Description: Gold recovery (as a Professional Development Seminar): methods of recovery (gravity, flotation, cyanidation), refractory gold (roasting, pressure oxidation, bacterial leaching), dissolved gold recovery (Merrill-Crowe) and activated carbon

Notes:
(4-2-3)
Prerequisite (Undergraduate): MIME 341

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 551
Credit Weight: 3
Transcript Title: Electrochemical Processing
Calendar Title: Electrochemical Processing.
Description:
Characterization of aqueous, fused salt and solid electrolytes; laws of electrolysis; ion transport mechanisms; interfacial phenomena (electrolyte-electrolyte, electrode-electrolyte); reversible cells and potentials; electrode kinetics, overpotential and potential-current laws; industrial applications; electrolytic winning and refining, electroplating, surface cleaning and coating, electrodialysis and electrochemical sensors.

Notes:
(3-1.5-4.5)
Prerequisite: MIME 352

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 553
Credit Weight: 3
Transcript Title: Impact of Material Production
Calendar Title: Impact of Materials Production.
Description:

Notes:
(3-0-6)
Prerequisite: Permission of instructor.

Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 556
Credit Weight: 3
Transcript Title: Sustainable Mtls. Processing
Calendar Title: Sustainable Materials Processing.
Description:
Sustainability, population and environment impact, environmental impact indicators, materials flows, enthalpy flows, the carbon cycle, materials intensity, energy intensity, global warming potential, acidification potential, FACTOR-Two, -Four and -Ten, life-cycle-inventory/assessment, end-of-pipe strategies, supply-chain and flow-sheet redesign, recycling, waste treatment and materials case studies.

Notes:
(3-1-5)
Prerequisite: Permission of instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 558
Credit Weight: 3
Transcript Title: Engineering Nanomaterials
Calendar Title: Engineering Nanomaterials.
Description:
Notes:
(3-0-6)
Prerequisite: MIME 260 or MIME 261 and MIME 362 or equivalent or permission of instructor
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 559
Credit Weight: 3
Transcript Title: Aluminum Physical Metallurgy
Calendar Title: Aluminum Physical Metallurgy.
Description:
Crystal structure, deformation characteristics, strengthening and softening mechanisms, hot and cold working. Microstructure property relationships in aluminum alloys. Physical metallurgy of aluminum casting alloys and their uses. Properties, and physical metallurgy of aluminum wrought alloys and their industrial applications.
Notes:
(3-3-3)
Prerequisites: MIME 360 and MIME 362, or permission of instructor

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 560
Credit Weight: 3
Transcript Title: Joining Processes
Calendar Title: Joining Processes.
Description:
Physics of joining; interfacial requirements; energy sources, chemical, mechanical and electrical; homogeneous hot-joining, arc-, Mig-, Tig-, gas-, thermite- and Plasma-welding; Autogeneous hot-joining, forge-, pressure-, friction-, explosive-, electron beam- and laser-welding; Heterogeneous hot-joining, brazing, soldering, diffusion bonding; Heterogeneous cold joining, adhesives, mechanical fastening; Filler materials; Joint metallurgy; Heat affected zone, non-metallic systems;
Joint design and economics; defects and testing methods.

Notes:
(3-0-6)
Prerequisites: MIME 250 and MIME 360

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 561
Credit Weight: 3
Transcript Title: Advanced Materials Design
Calendar Title: Advanced Materials Design.
Description:
Advanced topics in materials design problems. Discussion and laboratory work, supplemented by detailed technical reports. Special attention is given to selection, design and failure problems in various materials systems.
Notes:
(0-4-5)
Prerequisite: MIME 362 or equivalent

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 563
Credit Weight: 3
Transcript Title: Hot Deformation of Metals
Calendar Title: Hot Deformation of Metals.
Description:
High temperature deformation processing of metallic materials. Topics include static and dynamic recrystallization, recovery, precipitation; effect of deformation on phase transformations and microstructural evolution during industrial processing. Mathematical modelling of microstructural evolution.
Notes:
(3-0-6)
Prerequisite (Undergraduate): MIME 360 and MIME 362
Prerequisite (Graduate): MIME 362 or equivalent

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 565
Credit Weight: 3
Calendar Title: Aerospace Metallic-Materials and Manufacturing Processes.
Description:
Integrated approach to aerospace materials, manufacturing and repair; materials and selection criteria for airframe, engines and coatings; repair concepts and technologies; application of new and emerging manufacturing technologies for the forming, joining and repair of aerospace products.
Notes:
(3-0-6)
Prerequisites: MIME 260 or MIME 261 or permission of instructor
Restriction: Permission of instructor required

Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MIME 567
Credit Weight: 3
Transcript Title: Adv Elec Properties of Mtls
Calendar Title: Advanced Electronic Properties of Materials.
Description:
Electrons as particles and waves, Schrodinger's Equation, electrical and thermal conductivity, semiconductors, semiconductor devices, fundamentals of magnetism, superconductivity and superconductive materials, dielectric materials, optical properties of materials, LASERs and waveguides. Advanced materials and their technological applications. An introduction to quantum mechanics; energy band diagrams.
Notes:
(3-1.5-4.5)
Prerequisites: MATH 263, MATH 264 and MIME 261
Restriction: Not open to students who have taken MIME 367 or MIME 467
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 568
Credit Weight: 3
Transcript Title: Topics in Advanced Materials
Calendar Title: Topics in Advanced Materials.
Description:
Notes:
(3-0-6)
Prerequisite: MIME 362 or equivalent
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 569
Credit Weight: 3
Transcript Title: Electron Beam Analysis of Mtls
Calendar Title: Electron Beam Analysis of Materials.
Description:
Emphasis on operation of scanning and transmission electron microscopes. Topics covered are electron/specimen interactions, hardware description; image contrast description; qualitative and quantitative (ZAF) x-ray analysis; electron diffraction pattern analysis.
Notes:
(2-3-4)
Prerequisite: MIME 317
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 570
Credit Weight: 3
Transcript Title: Micro & Nano-Fabrication Fund.
Calendar Title: Micro- and Nano-Fabrication Fundamentals.
Description:
Fundamentals of micro- and nano-fabrication technologies. Lithographic, etching, deposition, and implantation and various control parameters of these processes and their resulting effects on structure, materials quality, and conformality.

Notes:
(3-0-6)
Prerequisite: MIME 467 or ECSE 330 or equivalent, or permission of instructor
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 571
Credit Weight: 3
Transcript Title: Surface Engineering
Calendar Title: Surface Engineering.
Description:
Notes:
(3-0-6)
Prerequisite: MIME 362
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 572
Credit Weight: 3
Transcript Title: Computational Thermodynamics
Calendar Title: Computational Thermodynamics.
Description:
Computational thermodynamics; materials design; process optimization; chemical reactions; phase diagrams; phase transformation; numerical simulation techniques.
Notes:
(3-0-6)
Prerequisite: MIME 212 or equivalent
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 576
Credit Weight: 4
Transcript Title: Adv Steelmaking & Processing
Calendar Title: Advanced Steelmaking and Processing.
Description:
The role of thermodynamics and mass transport phenomena in the production of liquid iron and steel in blast furnaces and basic oxygen/electric arc furnaces, followed by refining, and continuous casting of steel sheet, blooms and billets. The physical metallurgy of steels. Thermo-mechanical processing, rolling, and strengthening mechanisms. Phases, microstructures, and associated mechanical properties.
Notes:
(3-1-8)
Prerequisite: Permission of instructor
Restriction: Not open to students taking or have taken MIME 456
This course is given with MIME 456
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 580
Credit Weight: 3
Transcript Title: Add Manuf-Metal & Ceram Mtls
Calendar Title: Additive Manufacturing Using Metallic and Ceramic Materials.
Description: Introduction to additive manufacturing, seven AM families, starting material characterization, powder bed and direct energy deposition processes, direct writing, fundamental of sintering and solidification, post-processing and issues, mechanical assessment and reliability, standards, design and topology optimization, industrial applications of AM.
Notes: (3-0-6).
Prerequisite(s): MIME 465 or instructor permission.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 588
Credit Weight: 3
Transcript Title: Reliabil Analys of Mining Sys
Calendar Title: Reliability Analysis of Mining Systems.
Notes: (3-0-6)
Prerequisite: Permission of instructor.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
**This course will be held on May 15, 17, 19, 26, June 2, 9 & 16.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 601
Credit Weight: 0
Transcript Title: Eng. Laboratory Practice
Calendar Title: Engineering Laboratory Practice.
Description: The basics of laboratory safety in mining and materials engineering laboratories. Mandatory safety orientation (administration, contacts, fire, waste, emergency procedures) and official WHMIS training.
Notes: Restriction(s): Restricted to mining and materials engineering graduate students. 1. For Masters¿ students the course must be completed by the end of the first year of the student's enrollment in a Masters' degree program. Likewise, for Doctoral students the course must be completed by the end of the first year of the student's enrollment in a Doctoral degree program.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 606
Credit Weight: 3
Transcript Title: Mineral/Metal Prod & Marketing 1
Calendar Title: Mineral/Metal Production and Marketing 1.
Description:
Introduction of new topics in Mining and Materials Engineering.
Notes:
Prerequisite: permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 608
Credit Weight: 3
Transcript Title: Mineral/Metal Prod & Market 2
Calendar Title: Mineral/Metal Production and Marketing 2.
Description:
Introduction of new topics in Mining and Materials Engineering.
Notes:
Prerequisite: permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 610D1
Credit Weight: 1.5
Transcript Title: Master's Foundation Course
Calendar Title: Master's Foundation Course.
Description:
Broad exposure to theories, concepts and processes in the field of Materials Engineering. These modules will permit the student to acquire knowledge on different topics.
Notes:
Students must register for both MIME 610D1 and MIME 610D2
No credit will be given for this course unless both MIME 610D1 and MIME 610D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 610D2
Credit Weight: 1.5
Transcript Title: Master's Foundation Course
Calendar Title: Master's Foundation Course.
Description:
Broad exposure to theories, concepts and processes in the field of Materials Engineering. These modules will permit the student to acquire knowledge on different topics.
Notes:
Prerequisite: MIME 610D1
No credit will be given for this course unless both MIME 610D1 and MIME 610D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 610N1
Credit Weight: 1.5
Transcript Title: Master's Foundation Course
Calendar Title: Master's Foundation Course.
Description: Broad exposure to theories, concepts and processes in the field of Materials Engineering. These modules will permit the student to acquire knowledge on different topics.
Notes: Students must register for both MIME 610N1 and MIME 610N2
No credit will be given for this course unless both MIME 610N1 and MIME 610N2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 610N2
Credit Weight: 1.5
Transcript Title: Master's Foundation Course
Calendar Title: Master's Foundation Course.
Description: See MIME 610N1 for course description.
Notes: Prerequisite: MIME 610D1
No credit will be given for this course unless both MIME 610N1 and MIME 610N2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 620
Credit Weight: 4
Transcript Title: Rock Mechanics 1
Calendar Title: Rock Mechanics 1.
Description: A study of the effects of rock properties and ground stresses on problems in mine design.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 621
Credit Weight: 4
Transcript Title: Rock Mechanics 2
Calendar Title: Rock Mechanics 2.
Description: The application of the principles of strength of materials to the analysis of problems in ground control.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 623
Credit Weight: 4
Transcript Title: Ground Fragmentation
Calendar Title: Ground Fragmentation.
Description:
A comprehensive review of principles and theory of explosives; rock information systems, cratering concepts and applications to mining.
Notes:
Prerequisite: permission of instructor
Course given once per academic year
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 624D1
Credit Weight: 3
Transcript Title: Materials Handling in Mines
Calendar Title: Materials Handling in Mines.
Description:
A comprehensive review of materials handling systems used in open pit and underground mines. Review of system selection criteria, and analysis of the impact of particular systems on mine design.
Notes:
Prerequisite: permission of instructor
Students must register for both MIME 624D1 and MIME 624D2
No credit will be given for this course unless both MIME 624D1 and MIME 624D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 624D2
Credit Weight: 3
Transcript Title: Materials Handling in Mines
Calendar Title: Materials Handling in Mines.
Description:
See MIME 624D1 for course description.
Notes:
Prerequisite: MIME 624D1
No credit will be given for this course unless both MIME 624D1 and MIME 624D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 624N1
Credit Weight: 3
Transcript Title: Materials Handling in Mines
Calendar Title: Materials Handling in Mines.
Description:
A comprehensive review of materials handling systems used in open pit and underground mines. Review of system selection criteria, and analysis of the impact of particular systems on mine design.
Notes:
Students must also register for MIME 624N2
No credit will be given for this course unless both MIME 624N1 and MIME 624N2 are successfully completed in a twelve month period
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 624N2
Credit Weight: 3
Transcript Title: Materials Handling in Mines
Calendar Title: Materials Handling in Mines.
Description:
See MIME 624N1 for description.
Notes:
Prerequisite: MIME 624N1
No credit will be given for this course unless both MIME 624N1 and MIME 624N2 are successfully completed in a twelve month period
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 625
Credit Weight: 4
Transcript Title: Applied Mineral Economics 1
Calendar Title: Applied Mineral Economics 1.
Description:
A study of analytical techniques employed for project evaluation and decision-making in the mineral industry.
Notes:
Prerequisite: permission of instructor
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 626
Credit Weight: 3
Transcript Title: Applied Geostatistics
Calendar Title: Applied Geostatistics.
Description:
Review of applied geostatistics.
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 627
Credit Weight: 4
Transcript Title: Applied Mineral Economics 2
Calendar Title: Applied Mineral Economics 2.
Description:
A study of the techniques employed in the analysis of government policy and the financing of projects in the mineral industry.
Notes:
Prerequisite: permission of instructor
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 628
Credit Weight: 6
Transcript Title: Mineral Engineering Project 1
Calendar Title: Mineral Engineering Project 1.

Description:
A project of the student's choice, undertaken under the direct supervision of at least one staff member. The final mark is assessed on the basis of a final report that is examined internally, by the supervisor and at least one other staff member.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 628D1
Credit Weight: 3
Transcript Title: Mineral Engineering Project 1
Calendar Title: Mineral Engineering Project 1.

Description:
A project of the student's choice, undertaken under the direct supervision of at least one staff member. The final mark is assessed on the basis of a final report that is examined internally, by the supervisor and at least one other staff member.

Notes:
Students must register for both MIME 628D1 and MIME 628D2
No credit will be given for this course unless both MIME 628D1 and MIME 628D2 are successfully completed in consecutive terms
MIME 628D1 and MIME 628D2 together are equivalent to MIME 628

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 628D2
Credit Weight: 3
Transcript Title: Mineral Engineering Project 1
Calendar Title: Mineral Engineering Project 1.

Description:
See MIME 628D1 for course description.

Notes:
Prerequisite: MIME 628D1
No credit will be given for this course unless both MIME 628D1 and MIME 628D2 are successfully completed in consecutive terms
MIME 628D1 and MIME 628D2 together are equivalent to MIME 628

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 628N1
Credit Weight: 3
Transcript Title: Mineral Engineering Project 1
Calendar Title: Mineral Engineering Project 1.

Description:
A project of the student's choice, undertaken under the direct supervision of at least one staff member. The final mark is assessed on the basis of a final report that is examined internally, by the supervisor and at least one other staff member.

Notes:
Students must also register for MIME 628N2
No credit will be given for this course unless both MIME 628N1 and MIME 628N2 are successfully completed in a twelve month period
MIME 628N1 and MIME 628N2 together are equivalent to MIME 628

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 628N2
Credit Weight: 3
Transcript Title: Mineral Engineering Project 1
Calendar Title: Mineral Engineering Project 1.
Description:
See MIME 628N1 for course description.
Notes:
Prerequisite: MIME 628N1
No credit will be given for this course unless both MIME 628N1 and MIME 628N2 are successfully completed in a twelve month period
MIME 628N1 and MIME 628N2 together are equivalent to MIME 628

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 629
Credit Weight: 6
Transcript Title: Mineral Engineering Project 2
Calendar Title: Mineral Engineering Project 2.
Description:
Continuation of Mining Engineering Project.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 629D1
Credit Weight: 3
Transcript Title: Mineral Engineering Project 2
Calendar Title: Mineral Engineering Project 2.
Description:
Continuation of Mining Engineering Project.
Notes:
Students must register for both MIME 629D1 and MIME 629D2
No credit will be given for this course unless both MIME 629D1 and MIME 629D2 are successfully completed in consecutive terms
MIME 629D1 and MIME 629D2 together are equivalent to MIME 629

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 629D2
Credit Weight: 3
Transcript Title: Mineral Engineering Project 2
Calendar Title: Mineral Engineering Project 2.
Description:
See MIME 629D1 for course description.
Notes:
Prerequisite: MIME 629D1
No credit will be given for this course unless both MIME 629D1 and MIME 629D2 are successfully completed in consecutive terms
MIME 629D1 and MIME 629D2 together are equivalent to MIME 629
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<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
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<td>3</td>
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<td>Continuation of Mining Engineering Project.</td>
<td>Students must also register for MIME 629N2. No credit will be given for this course unless both MIME 629N1 and MIME 629N2 are successfully completed in a twelve month period. MIME 629N1 and MIME 629N2 together are equivalent to MIME 629.</td>
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<td>Mineral Engineering Project 2</td>
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<td>Prerequisite: MIME 629N1. No credit will be given for this course unless both MIME 629N1 and MIME 629N2 are successfully completed in a twelve month period. MIME 629N1 and MIME 629N2 together are equivalent to MIME 629.</td>
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</table>
Continuation of Mining Engineering Project 1.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Mining & Materials Engineering  
**Status (catalog level):** Active

### MIME 634D1
- **Credit Weight:** 1.5  
- **Transcript Title:** Mineral Eng Project 3  
- **Calendar Title:** Mineral Engineering Project 3.  
- **Description:** Continuation of Mining Engineering Project 1.  
- **Notes:** Students must register for both MIME 634D1 and MIME 634D2. No credit will be given for this course unless both MIME 634D1 and MIME 634D2 are successfully completed in consecutive terms. MIME 634D1 and MIME 634D2 together are equivalent to MIME 634.

### MIME 634D2
- **Credit Weight:** 1.5  
- **Transcript Title:** Mineral Eng Project 3  
- **Calendar Title:** Mineral Engineering Project 3.  
- **Description:** See MIME 634D1 for course description.  
- **Notes:** Prerequisite: MIME 634D1. No credit will be given for this course unless both MIME 634D1 and MIME 634D2 are successfully completed in consecutive terms. MIME 634D1 and MIME 634D2 together are equivalent to MIME 634.

### MIME 634N1
- **Credit Weight:** 1.5  
- **Transcript Title:** Mineral Eng Project 3  
- **Calendar Title:** Mineral Engineering Project 3.  
- **Description:** Continuation of Mining Engineering Project 1.  
- **Notes:** Students must also register for MIME 634N2. No credit will be given for this course unless both MIME 634N1 and MIME 634N2 are successfully completed in a twelve month period. MIME 634N1 and MIME 634N2 together are equivalent to MIME 634.

### MIME 634N2
- **Credit Weight:** 1.5  
- **Transcript Title:** Mineral Eng Project 3  
- **Calendar Title:** Mineral Engineering Project 3.  
- **Description:** See MIME 634N1 for course description.
Notes:
Prerequisite: MIME 634N1
No credit will be given for this course unless both MIME 634N1 and MIME 634N2 are successfully completed in a twelve month period
MIME 634N1 and MIME 634N2 together are equivalent to MIME 634

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 635
Credit Weight: 4
Transcript Title: Finite Elmnt Method–Rock Mechs
Calendar Title: Finite Element Method – Rock Mechanics.
Description:
Overview of numerical methods; elasticity relations; element assembly process; formulative procedures; planar elements; convergence and accuracy; isoparametric formulation; rock joint and rock support elements; dynamic analysis; material and geometric nonlinearities. XFEM. Applications in mining and geotechnical engineering.
Notes:
Prerequisites: MIME 521 and/or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 638
Credit Weight: 4
Transcript Title: Mine Waste Management
Calendar Title: Mine Waste Management.
Description:

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 640
Credit Weight: 6
Transcript Title: Adv Mineral Processing
Calendar Title: Advanced Mineral Processing.
Description:
Modern advances in mineral processing techniques. The student will prepare a series of reports covering developments in mineral processing.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 640D1
Credit Weight: 3
Transcript Title: Adv Mineral Processing
Calendar Title: Advanced Mineral Processing.
Description:
Modern advances in mineral processing techniques. The student will prepare a
A series of reports covering developments in mineral processing.

Notes:
Students must register for both MIME 640D1 and MIME 640D2
No credit will be given for this course unless both MIME 640D1 and MIME 640D2 are successfully completed in consecutive terms
MIME 640D1 and MIME 640D2 together are equivalent to MIME 640

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 640D2
Credit Weight: 3
Transcript Title: Adv Mineral Processing
Calendar Title: Advanced Mineral Processing.
Description:
See MIME 640D1 for course description.

Notes:
Prerequisite: MIME 640D1
No credit will be given for this course unless both MIME 640D1 and MIME 640D2 are successfully completed in consecutive terms
MIME 640D1 and MIME 640D2 together are equivalent to MIME 640

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 650N1
Credit Weight: 3
Transcript Title: Adv Extractive Metallurgy 1
Calendar Title: Advanced Extractive Metallurgy 1.
Description:
Metallurgical applications of heat, mass and momentum transfer theories. Particular emphasis is placed on the applications of computational fluid dynamics and development of appropriate software programs. These are based on the integral control volume, finite difference approach, employing body-fitted co-ordinate schemes to handle arbitrarily shaped flow domains. Turbulence models such as K-E and large eddy simulation are presented.

Notes:
Students must also register for MIME 650N2.
No credit will be given for this course unless both MIME 650N1 and MIME 650N2 are successfully completed in a twelve month period.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 650N2
Credit Weight: 3
Transcript Title: Adv Extractive Metallurgy 1
Calendar Title: Advanced Extractive Metallurgy 1.
Description:
See MIME 650N1 for course description.

Notes:
Prerequisite: MIME 650N1.
No credit will be given for this course unless both MIME 650N1 and MIME 650N2 are successfully completed in a twelve month period.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MIME 652
Credit Weight: 3
Transcript Title: Aqueous Processing
Calendar Title: Aqueous Processing.
Description: Advanced treatment of the chemical and engineering principles governing aqueous dissolution, purification and deposition operations. Topics include: ionic activities of dilute and concentrated solutions; solution and solid-liquid equilibria; analysis of complexation and redox reactions; high temperature solution thermodynamic kinetics; solvent extraction, equilibria and mass transfer kinetics; nucleation, growth and agglomeration phenomena in aqueous precipitation systems.
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 653
Credit Weight: 3
Transcript Title: Transport Phenom-Process Metal
Calendar Title: Transport Phenomena - Process Metallurgy.
Description: Process metallurgical applications of heat, mass and momentum transport theories. Methods of numerical solution in the analysis of: continuous casting, ingot solidification, soaking pits, hot mill operations, alloy addition methods in steel-making, etc. Students are assigned individual computer projects and present a report plus a seminar on their findings.
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 656
Credit Weight: 3
Transcript Title: Deform Mech in Crystal Solids
Calendar Title: Deformation Mechanisms in Crystalline Solids.
Description: Deformation and failure mechanisms in crystalline solids; dislocation mechanics and dynamics, including Peierls-Nabarro model, Peach-Koehler equation, dislocation pile-ups and dislocation forest; Griffith fracture mechanics, crack-tip plasticity, J-integral and crack-dislocation interactions.
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 658
Credit Weight: 3
Transcript Title: Quantum Materials
Calendar Title: Quantum Materials.
Description: Quantum mechanical methods for the design of material properties, including: electronic, magnetic, optical and chemical properties. Introduction to practical quantum mechanical materials design methods based on density functional theory.
Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MIME 661
Credit Weight: 3
Transcript Title: Lit Rev on Selected Res Topics
Calendar Title: Literature Review on Selected Research Topics.
Description: Literature review concerning specific research topics.
Notes:
(9-0-0)
Prerequisite: Permission of supervisor
Restriction: Open only to graduate students in thesis programs in Mining or Materials Engineering.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 665
Credit Weight: 3
Transcript Title: Adv Proc of Powder Materials
Calendar Title: Advanced Processing of Powder Materials.
Notes:
Prerequisite: Permission of instructor
Restriction: Not open to students who have taken MIME 465.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 670
Credit Weight: 6
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.
Description: Seminar presentation to staff and students on the Master's research.
Notes:
Restriction: For students registered for a Master's degree in Mining and or Materials Engineering.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 670D1
Credit Weight: 3
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.
Description: Seminar presentation to staff and students on the Master's research.
Notes:
Restriction: For students registered for a Master's degree in Mining and or Materials Engineering.
Students must register for both MIME 670D1 and MIME 670D2
No credit will be given for this course unless both MIME 670D1 and MIME 670D2 are
successfully completed in consecutive terms
MIME 670D1 and MIME 670D2 together are equivalent to MIME 670

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 670D2
Credit Weight: 3
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.
Description:
Seminar presentation to staff and students on the Master's research.
Notes:
Prerequisite: MIME 670D1
No credit will be given for this course unless both MIME 670D1 and MIME 670D2 are successfully completed in consecutive terms
MIME 670D1 and MIME 670D2 together are equivalent to MIME 670

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 670N1
Credit Weight: 3
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.
Description:
Seminar presentation to staff and students on the Master's research.
Notes:
Restriction: For students registered for a Master's degree in Mining and or Materials Engineering.
Students must also register for MIME 670N2
No credit will be given for this course unless both MIME 670N1 and MIME 670N2 are successfully completed in a twelve month period
MIME 670N1 and MIME 670N2 together are equivalent to MIME 670

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 670N2
Credit Weight: 3
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.
Description:
Seminar presentation to staff and students on the Master's research.
Notes:
Prerequisite: MIME 670N1
No credit will be given for this course unless both MIME 670N1 and MIME 670N2 are successfully completed in a twelve month period
MIME 670N1 and MIME 670N2 together are equivalent to MIME 670

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 673
Credit Weight: 6
Transcript Title: Mining Engineering Seminar
Calendar Title: Mining Engineering Seminar.
Description:
For students registered in the Graduate Diploma or Master's programs in Mining.

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 673D1
Credit Weight: 3
Transcript Title: Mining Engineering Seminar
Calendar Title: Mining Engineering Seminar.
Description:
For students registered in the Graduate Diploma or Master's programs in Mining.

Notes:
Students must register for both MIME 673D1 and MIME 673D2
No credit will be given for this course unless both MIME 673D1 and MIME 673D2 are successfully completed in consecutive terms
MIME 673D1 and MIME 673D2 together are equivalent to MIME 673

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 673D2
Credit Weight: 3
Transcript Title: Mining Engineering Seminar
Calendar Title: Mining Engineering Seminar.
Description:
See MIME 673D1 for course description.

Notes:
Prerequisite: MIME 673D1
No credit will be given for this course unless both MIME 673D1 and MIME 673D2 are successfully completed in consecutive terms
MIME 673D1 and MIME 673D2 together are equivalent to MIME 673

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 673N1
Credit Weight: 3
Transcript Title: Mining Engineering Seminar
Calendar Title: Mining Engineering Seminar.
Description:
For students registered in the Graduate Diploma or Master's programs in Mining.

Notes:
Students must also register for MIME 673N2
No credit will be given for this course unless both MIME 673N1 and MIME 673N2 are successfully completed in a twelve month period
MIME 673N1 and MIME 673N2 together are equivalent to MIME 673

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 673N2
Credit Weight: 3
Transcript Title: Mining Engineering Seminar
Calendar Title: Mining Engineering Seminar.
Description:
See MIME 673N1 for course description.

Notes:
Prerequisite: MIME 673N1
No credit will be given for this course unless both MIME 673N1 and MIME 673N2 are successfully completed in a twelve month period
MIME 673N1 and MIME 673N2 together are equivalent to MIME 673

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 680
Credit Weight: 6
Transcript Title: Materials Engineering Project 1
Calendar Title: Materials Engineering Project 1.
Description:
a project of the student's choice, undertaken under the direct supervision of at least one staff member.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 681
Credit Weight: 6
Transcript Title: Materials Engineering Project 2
Calendar Title: Materials Engineering Project 2.
Description:
a project of the student's choice, undertaken under the direct supervision of at least one staff member. Can be a continuation of MIME 680 Materials Engineering Project 1.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 682
Credit Weight: 3
Transcript Title: Materials Engineering Project 3
Calendar Title: Materials Engineering Project 3.
Description:
a project of the student's choice, undertaken under the direct supervision of at least one staff member. Can be a continuation of MIME 681 Materials Engineering Project 2.

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 686
Credit Weight: 0
Transcript Title: MINING INTERNSHIP
Calendar Title: MINING INTERNSHIP.
Description:
a four-month industrial work period in industry, a research centre or a government agency.

Notes:
Prerequisite: Permission of the instructor.
Restriction: Open only to full-time non-thesis Master's students in mining engineering with the approval of the student's academic supervisor.
**Administering Faculty**: Graduate Studies  
**Teaching Department**: Mining & Materials Engineering  
**Status (catalog level)**: Active

**MIME 690**  
**Credit Weight**: 6  
**Transcript Title**: Thesis Research 1  
**Calendar Title**: Thesis Research 1.  
**Description**: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.  
**Notes**:  
Restriction: For Master's students only.

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Mining & Materials Engineering  
**Status (catalog level)**: Active

**MIME 690D1**  
**Credit Weight**: 3  
**Transcript Title**: Thesis Research 1  
**Calendar Title**: Thesis Research 1.  
**Description**: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.  
**Notes**:  
Restriction: For Master's students only.  
Students must register for both MIME 690D1 and MIME 690D2  
No credit will be given for this course unless both MIME 690D1 and MIME 690D2 are successfully completed in consecutive terms  
MIME 690D1 and MIME 690D2 together are equivalent to MIME 690

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Mining & Materials Engineering  
**Status (catalog level)**: Active

**MIME 690D2**  
**Credit Weight**: 3  
**Transcript Title**: Thesis Research 1  
**Calendar Title**: Thesis Research 1.  
**Description**: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.  
**Notes**:  
Restriction: For Master's students only.  
Prerequisite: MIME 690D1  
No credit will be given for this course unless both MIME 690D1 and MIME 690D2 are successfully completed in consecutive terms  
MIME 690D1 and MIME 690D2 together are equivalent to MIME 690

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Mining & Materials Engineering  
**Status (catalog level)**: Active

**MIME 690N1**  
**Credit Weight**: 3  
**Transcript Title**: Thesis Research 1  
**Calendar Title**: Thesis Research 1.  
**Description**: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.  
**Notes**:  
Restriction: For Master's students only.
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

**Notes:**
Students must also register for MIME 690N2
No credit will be given for this course unless both MIME 690N1 and MIME 690N2 are successfully completed in a twelve month period
MIME 690N1 and MIME 690N2 together are equivalent to MIME 690

**Administering Faculty:** Graduate Studies
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 690N2**
**Credit Weight:** 3
**Transcript Title:** Thesis Research 1
**Calendar Title:** Thesis Research 1.
**Description:**
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

**Notes:**
Prerequisite: MIME 690N1
No credit will be given for this course unless both MIME 690N1 and MIME 690N2 are successfully completed in a twelve month period
MIME 690N1 and MIME 690N2 together are equivalent to MIME 690

**Administering Faculty:** Graduate Studies
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 691**
**Credit Weight:** 3
**Transcript Title:** Thesis Research 2
**Calendar Title:** Thesis Research 2.
**Description:**
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

**Notes:**
Restriction: For Master's students only.
**Administering Faculty:** Graduate Studies
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 692**
**Credit Weight:** 6
**Transcript Title:** Thesis Research 3
**Calendar Title:** Thesis Research 3.
**Description:**
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

**Notes:**
Restriction: For Master's students only.
**Administering Faculty:** Graduate Studies
**Teaching Department:** Mining & Materials Engineering
**Status (catalog level):** Active

**MIME 692D1**
**Credit Weight:** 3
**Transcript Title:** Thesis Research 3
Calendar Title: Thesis Research 3.

Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

Notes:
Restriction: For Master's students only.
Students must register for both MIME 692D1 and MIME 692D2
No credit will be given for this course unless both MIME 692D1 and MIME 692D2 are successfully completed in consecutive terms
MIME 692D1 and MIME 692D2 together are equivalent to MIME 692

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 692D2
Credit Weight: 3
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

Notes:
Restriction: For Master's students only.
Prerequisite: MIME 692D1
No credit will be given for this course unless both MIME 692D1 and MIME 692D2 are successfully completed in consecutive terms
MIME 692D1 and MIME 692D2 together are equivalent to MIME 692

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 692N1
Credit Weight: 3
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

Notes:
Restriction: For Master's students only.
Students must also register for MIME 692N2
No credit will be given for this course unless both MIME 692N1 and MIME 692N2 are successfully completed in a twelve month period
MIME 692N1 and MIME 692N2 together are equivalent to MIME 692

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 692N2
Credit Weight: 3
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.

Notes:
Restriction: For Master's students only.
Prerequisite: MIME 692N1
No credit will be given for this course unless both MIME 692N1 and MIME 692N2 are successfully completed in a twelve month period
MIME 692N1 and MIME 692N2 together are equivalent to MIME 692

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 693
Credit Weight: 3
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes:
Restriction: For Master's students only.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 693D1
Credit Weight: 1.5
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes:
Restriction: For Master's students only.
Students must register for both MIME 693D1 and MIME 693D2
No credit will be given for this course unless both MIME 693D1 and MIME 693D2 are successfully completed in consecutive terms
MIME 693D1 and MIME 693D2 together are equivalent to MIME 693
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 693D2
Credit Weight: 1.5
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes:
Restriction: For Master's students only.
Prerequisite: MIME 693D1
No credit will be given for this course unless both MIME 693D1 and MIME 693D2 are successfully completed in consecutive terms
MIME 693D1 and MIME 693D2 together are equivalent to MIME 693
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MIME 694
Credit Weight: 6
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes: Restriction: For Master's students only.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 694D1
Credit Weight: 3
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes: Restriction: For Master's students only.
Students must register for both MIME 694D1 and MIME 694D2
No credit will be given for this course unless both MIME 694D1 and MIME 694D2 are successfully completed in consecutive terms
MIME 694D1 and MIME 694D2 together are equivalent to MIME 694
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 694D2
Credit Weight: 3
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes: Restriction: For Master's students only.
Prerequisite: MIME 694D1
No credit will be given for this course unless both MIME 694D1 and MIME 694D2 are successfully completed in consecutive terms
MIME 694D1 and MIME 694D2 together are equivalent to MIME 694
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 694N1
Credit Weight: 3
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes:
Restriction: For Master's students only.
Students must also register for MIME 694N2
No credit will be given for this course unless both MIME 694N1 and MIME 694N2 are successfully completed in a twelve month period
MIME 694N1 and MIME 694N2 together are equivalent to MIME 694

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 694N2
Credit Weight: 3
Transcript Title: Thesis Research 5
Calendar Title: Thesis Research 5.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes: Restriction: For Master's students only.
Prerequisite: MIME 694N1
No credit will be given for this course unless both MIME 694N1 and MIME 694N2 are successfully completed in a twelve month period
MIME 694N1 and MIME 694N2 together are equivalent to MIME 694

MIME 695
Credit Weight: 3
Transcript Title: Thesis Research 6
Calendar Title: Thesis Research 6.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes: Restriction: For Master's students only.

MIME 695D1
Credit Weight: 1.5
Transcript Title: Thesis Research 6
Calendar Title: Thesis Research 6.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes: Restriction: For Master's students only.
Students must register for both MIME 695D1 and MIME 695D2
No credit will be given for this course unless both MIME 695D1 and MIME 695D2 are successfully completed in consecutive terms
MIME 695D1 and MIME 695D2 together are equivalent to MIME 695
MIME 695D2
Credit Weight: 1.5
Transcript Title: Thesis Research 6
Calendar Title: Thesis Research 6.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee, if any.
Notes:
Restriction: For Master's students only.
Prerequisite: MIME 695D1
No credit will be given for this course unless both MIME 695D1 and MIME 695D2 are successfully completed in consecutive terms
MIME 695D1 and MIME 695D2 together are equivalent to MIME 695
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 701
Credit Weight: 0
Transcript Title: Ph.D Thesis Research Proposal
Calendar Title: Ph.D. Thesis Research Proposal.
Description:
For students registered in a Ph.D. program in Mining or Materials Engineering. Student submits a document and takes an oral examination to demonstrate familiarity with relevant literature, define a methodology and describe a work plan.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 702
Credit Weight: 0
Transcript Title: Ph.D. Preliminary Examination
Calendar Title: Ph.D. Preliminary Examination.
Description:
Presentation of the Ph.D. thesis proposal by the doctoral student and oral examination to evaluate the student's breadth of knowledge regarding the proposed research.
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 703
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive Exam
Calendar Title: Ph.D. Comprehensive Exam.
Description:
Invited-level seminar presentation to examination committee. The student will highlight the scientific background involved in the field, explain the challenges and will provide explanations of possible solutions generated from the research work.
Notes:
Prerequisite: MIME 701
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 704
Credit Weight: 0
Transcript Title: Ph.D. Comp Exam in Mining Eng
Calendar Title: Ph.D. Comprehensive Examination in Mining Engineering
Description: Invited-level seminar presentation to examination committee. The student will highlight the scientific background involved in the field, explain the challenges and will provide explanations of possible solutions generated from the research work.
Notes: Prerequisite: MIME 776
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 710D1
Credit Weight: 1.5
Transcript Title: Ph.D. Foundation Course
Calendar Title: Ph.D. Foundation Course.
Description: Broad exposure to theories, concepts and processes in the field of Materials Engineering. These modules will permit the student to acquire knowledge on different topics.
Notes: Students must register for both MIME 710D1 and MIME 710D2
No credit will be given for this course unless both MIME 710D1 and MIME 710D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 710D2
Credit Weight: 1.5
Transcript Title: Ph.D. Foundation Course
Calendar Title: Ph.D. Foundation Course.
Description: Broad exposure to theories, concepts and processes in the field of Materials Engineering. These modules will permit the student to acquire knowledge on different topics.
Notes: Prerequisite: MIME 710D1
No credit will be given for this course unless both MIME 710D1 and MIME 710D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 710N1
Credit Weight: 1.5
Transcript Title: Ph.D. Foundation Course
Calendar Title: Ph.D. Foundation Course.
Description: Broad exposure to theories, concepts and processes in the field of Materials Engineering. These modules will permit the student to acquire knowledge on
different topics.

Notes:
Students must register for both MIME 710N1 and MIME 710N2
No credit will be given for this course unless both MIME 710N1 and MIME 710N2 are successfully completed in consecutive terms

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering

Status (catalog level): Active

MIME 710N2
Credit Weight: 1.5
Transcript Title: Ph.D. Foundation Course
Calendar Title: Ph.D. Foundation Course.
Description:
See MIME 710N1 for course description.

Notes:
Prerequisite: MIME 710N1
No credit will be given for this course unless both MIME 710D1 and MIME710D2 are successfully completed in consecutive terms

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering

Status (catalog level): Active

MIME 771
Credit Weight: 6
Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.
Description:
Seminar presentation to staff and students on the Doctorate research.

Notes:
Restriction: For students registered in a Ph.D. program in Materials Engineering.

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering

Status (catalog level): Active

MIME 771D1
Credit Weight: 3
Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.
Description:
Seminar presentation to staff and students on the Doctorate research.

Notes:
Restriction: For students registered in a Ph.D. program in Materials Engineering.
Students must register for both MIME 771D1 and MIME 771D2
No credit will be given for this course unless both MIME 771D1 and MIME 771D2 are successfully completed in consecutive terms
MIME 771D1 and MIME 771D2 together are equivalent to MIME 771

Administrating Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering

Status (catalog level): Active

MIME 771D2
Credit Weight: 3
Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.
Description:
Seminar presentation to staff and students on the Doctorate research.
Notes:
Prerequisite: MIME 771D1
No credit will be given for this course unless both MIME 771D1 and MIME 771D2 are successfully completed in consecutive terms
MIME 771D1 and MIME 771D2 together are equivalent to MIME 771

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 771N1
Credit Weight: 3
Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.
Description:
Seminar presentation to staff and students on the Doctorate research.
Notes:
Restriction: For students registered in a Ph.D. program in Materials Engineering. Students must also register for MIME 771N2
No credit will be given for this course unless both MIME 771N1 and MIME 771N2 are successfully completed in a twelve month period
MIME 771N1 and MIME 771N2 together are equivalent to MIME 771

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 771N2
Credit Weight: 3
Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.
Description:
Seminar presentation to staff and students on the Doctorate research.
Notes:
Prerequisite: MIME 771N1
No credit will be given for this course unless both MIME 771N1 and MIME 771N2 are successfully completed in a twelve month period
MIME 771N1 and MIME 771N2 together are equivalent to MIME 771

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 776
Credit Weight: 6
Transcript Title: Ph.D. Research Seminar
Calendar Title: Ph.D. Research Seminar.
Description:
Submission of a seminar paper and presentation of the research topic in the seminar paper.
Notes:
Prerequisite: MIME 702

Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 776D1
Credit Weight: 3
Transcript Title: Ph.D. Research Seminar
Calendar Title: Ph.D. Research Seminar.
Description:
Submission of a seminar paper and presentation of the research topic in the seminar paper.
Notes:
Prerequisite: MIME 702
Students must register for both MIME 776D1 and MIME 776D2
No credit will be given for this course unless both MIME 776D1 and MIME 776D2 are successfully completed in consecutive terms
MIME 776D1 and MIME 776D2 together are equivalent to MIME 776
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 776D2
Credit Weight: 3
Transcript Title: Ph.D. Research Seminar
Calendar Title: Ph.D. Research Seminar.
Description:
See MIME 776D1 for course description.
Notes:
Prerequisite: MIME 702 and MIME 776D1
No credit will be given for this course unless both MIME 776D1 and MIME 776D2 are successfully completed in consecutive terms
MIME 776D1 and MIME 776D2 together are equivalent to MIME 776
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 776N1
Credit Weight: 3
Transcript Title: Ph.D. Research Seminar
Calendar Title: Ph.D. Research Seminar.
Description:
Submission of a seminar paper and presentation of the research topic in the seminar paper.
Notes:
Prerequisite: MIME 702
Students must also register for MIME 776N2
No credit will be given for this course unless both MIME 776N1 and MIME 776N2 are successfully completed in a twelve month period
MIME 776N1 and MIME 776N2 together are equivalent to MIME 776
Administering Faculty: Graduate Studies
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MIME 776N2
Credit Weight: 3
Transcript Title: Ph.D. Research Seminar
Calendar Title: Ph.D. Research Seminar.
Description:
See MIME 776N1 for course description.
Notes:
Prerequisite: MIME 702 and MIME 776N1
No credit will be given for this course unless both MIME 776N1 and MIME 776N2 are successfully completed in a twelve month period
MIME 776N1 and MIME 776N2 together are equivalent to MIME 776

**Administering Faculty**: Graduate Studies

**Teaching Department**: Mining & Materials Engineering

**Status (catalog level)**: Active
MIMM 211
Credit Weight: 3
Transcript Title: Introductory Microbiology
Calendar Title: Introductory Microbiology.
Description:
A general treatment of microbiology bearing specifically on the biological properties of microorganisms. Emphasis will be on procaryotic cells. Basic principles of microbial genetics are also introduced.
Notes:
Fall
3 hours of lecture
Corequisite: BIOL 200
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 212
Credit 213 Weight: 3
Transcript Title: Laboratory in Microbiology
Calendar Title: Laboratory in Microbiology.
Description:
This laboratory course is designed to complement MIMM 211. Sessions introduce general techniques peculiar to the handling of microorganisms.
Notes:
Fall
3 hours laboratory, 1 hour lecture, 1 hour follow-up
Corequisite: MIMM 211
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 214
Credit Weight: 3
Transcript Title: Intro Immun: Elem of Immunity
Calendar Title: Introductory Immunology: Elements of Immunity.
Description:
Basic immunology, organs and cells, elements of innate immunity, phagocytes, complement, elements of adaptive immunity, B-cells, T-cells, antigen presenting cells, MHC genes and molecules, antigen processing and presentation, cytokines and chemokines. Emphasis on anatomy and the molecular and cellular players working together as a physiological system to maintain human health.
Notes:
Prerequisite: BIOL 200
Corequisite: BIOL 201 or ANAT 212/BIOC 212
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 301
Credit Weight: 1
Transcript Title: Scientific Writing Skills-MIMM
Calendar Title: Scientific Writing Skills in MIMM.
Description:
Scientific and communication skills, including searching the literature, reading primary papers, managing citations and using them appropriately, as well as interpreting scientific data, synthesizing findings from the scientific literature, and writing a scientific paper. This course will allow students to
practice scientific writing skills through various steps intended to provide feedback.

Notes:
Corequisites: MIMM314, MIMM385
Prerequisites: MIMM323, MIMM324, MIMM384
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 314
Credit Weight: 3
Transcript Title: Intermediate Immunology
Calendar Title: Intermediate Immunology.
Description:
An intermediate-level immunology course covering the cellular and molecular basis of lymphocyte development and activation in immune responses in health and disease.
Notes:
Winter
3 hours of lecture
Prerequisite: MIMM 214
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 323
Credit Weight: 3
Transcript Title: Microbial Physiology
Calendar Title: Microbial Physiology.
Description:
An introduction to the composition and structure of microbial cells, the biochemical activities associated with cellular metabolism and how these activities are regulated and coordinated. The course will have a molecular and genetic approach to the study of microbial physiology.
Notes:
Fall
3 hours of lecture
Prerequisite: MIMM 211
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 324
Credit Weight: 3
Transcript Title: Fundamental Virology
Calendar Title: Fundamental Virology.
Description:
A study of the fundamental properties of viruses and their interactions with host cells. Bacteriophages, DNA- and RNA-containing animal viruses, and retroviruses are covered. Emphasis will be on phenomena occurring at the molecular level and on the regulated control of gene expression in virus-infected cells.
Notes:
Fall
3 hours of lecture
Prerequisites: MIMM 211, BIOL 200, BIOL 201 or BIOC 212
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 384
Credit Weight: 3
Transcript Title: Molecular Microbiology Lab
Calendar Title: Molecular Microbiology Laboratory.
Description:
A series of laboratory exercises in molecular biology and microbial genetics
during the Fall term. As part of a term paper writing project, students will
explore contemporary research subjects that represent the wide interests of the
Microbiology and Immunology department’s faculty. The general objective is to
provide practical and theoretical introduction to the technology and methodology
used in contemporary microbiology research.
Notes:
Prerequisite(s): MIMM 211 and MIMM 212
Corequisite(s): MIMM 323 and MIMM 324
Restriction(s): Not open to students who are taking or have taken MIMM 386D1/D2.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 385
Credit Weight: 3
Transcript Title: Laboratory in Immunology
Calendar Title: Laboratory in Immunology.
Description:
This laboratory course allows students to gain expertise in following protocols
and performing key techniques in immunology. Students also develop basic
experimental design and scientific thinking skills by designing their own
experiments based on available reagents to solve a problem. Students learn to keep
a lab book and communicate scientific findings in written and oral form.
Notes:
Prerequisite(s): MIMM 211, MIMM 212, MIMM 214 (MIMM 384 highly recommended).
Corequisite(s): MIMM 314
Not open to students who are taking or have taken MIMM 386D1/D2.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 387
Credit Weight: 3
Transcript Title: The Business of Science
Calendar Title: The Business of Science.
Description:
The ability to select and manipulate genetic material has led to unprecedented
interest in the industrial applications of procaryotic and eucaryotic cells.
Beginning in the 1970s the introduction of and subsequent refinements to
recombinant DNA technology and hybridoma technology transformed the horizons of
the biopharmaceutical world. This course will highlight the important events that
link basic research to clinical/commercial application of new drugs and chemicals.
Notes:
Winter
Prerequisite: At least one 200-level course in a biological or biomedical
discipline or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 390
Credit Weight: 3
Transcript Title: SEA-PHAGES: Phage Discovery
Calendar Title: SEA-PHAGES: Phage Discovery.
Description: Microbiology and molecular biology content about bacteriophages, followed by hands-on experience through isolation and characterization of novel bacteriophages from soil samples using various microbiology and virology techniques.
Notes:
Corequisites: MIMM 323, MIMM 324, MIMM 384
Prerequisites: MIMM 211, MIMM 212, BIOL 200
Restrictions: Open to Microbiology and Immunology U2 and U3 students.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 391
Credit Weight: 3
Transcript Title: SEA-PHAGES: Genome Annotation
Calendar Title: SEA-PHAGES: Genome Annotation.
Description: Introduction to bioinformatics as a tool to further bacteriophage research by using computer programs and software to annotate genomes of bacteriophages.
Notes:
Corequisites: MIMM 323, MIMM 324, MIMM 384
Prerequisites: MIMM 211, MIMM 212, BIOL 200
Restrictions: Open to Microbiology and Immunology U2 and U3 students.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 396
Credit Weight: 3
Transcript Title: Ugrad Research Proj-Microbiol
Calendar Title: Undergraduate Research Project in Microbiology.
Description: Independent research project with a final written report.
Notes:
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active
MIMM 397
Credit Weight: 3
Transcript Title: Ugrad Research Proj - Immunol
Calendar Title: Undergraduate Research Project in Immunology.
Description: Independent research project with a final written report.
Notes: Prerequisite: Departmental permission required.
Restriction: Open to students in programs offered by the Faculty of Science.
This course cannot be taken under the S/U option.
Students cannot be supervised by the same instructor for 396 or 397 Science courses.
Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.
Administrating Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 413
Credit Weight: 3
Transcript Title: Parasitology
Calendar Title: Parasitology.
Description: A study of the biology, immunological aspects of host-parasite interactions, pathogenicity, epidemiology and molecular biological aspects of selected parasites of medical importance. Laboratory will consist of a lecture on techniques, demonstrations and practical work.
Notes: Winter
Prerequisite: MIMM 314 or equivalent - ANAT 261 is strongly recommended
Administrating Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 414
Credit Weight: 3
Transcript Title: Advanced Immunology
Calendar Title: Advanced Immunology.
Description: An advanced course serving as a logical extension of MIMM 314. The course will integrate molecular, cellular and biochemical events involved in the ontogeny of the lymphoid system and its activation in the immune response. The course will provide the student with an up-to-date understanding of a rapidly moving field.
Notes: Fall
3 hour lecture
Prerequisite: MIMM 314
Administrating Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 465
Credit Weight: 3
Transcript Title: Bacterial Pathogenesis
Calendar Title: Bacterial Pathogenesis.
Description:
Familiarizes students with key principles and recent advances in our understanding of the strategies that bacteria use to infect and cause disease, as well as the approaches used in the prevention and treatment of bacterial infections.
Notes:
Fall
3 hours of lecture
Prerequisites: MIMM 211, MIMM 314, MIMM 323, or the permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 466
Credit Weight: 3
Transcript Title: Viral Pathogenesis
Calendar Title: Viral Pathogenesis.
Description:
A study of the biological and molecular aspects of viral pathogenesis with emphasis on the human pathogenic viruses including the retroviruses HIV and HTLV-1; herpes viruses; papilloma viruses; hepatitis viruses; and new emerging human viral diseases. These viruses will be discussed in terms of virus multiplication, gene expression virus-induced cytopathic effects and host immune response to infection.
Notes:
Winter
3 hours of lecture
Prerequisites: MIMM 211, MIMM 324, MIMM 314
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 496D1
Credit Weight: 3
Transcript Title: Microbiology Adv Res Project
Calendar Title: Microbiology Advanced Research Project.
Description:
This two-semester course is intended for undergraduate Science students who want a rigorous research experience beyond that of a one semester course (MIMM 396/397) and who are unlikely to take the Honours Research Project course (MIMM 501/502).
Notes:
Students must register for both MIMM 496D1 and MIMM 496D2
No credit will be given for this course unless both MIMM 496D1 and MIMM 496D2 are successfully completed in consecutive terms
Prerequisite(s): MIMM 212, MIMM 384, MIMM 385
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 496D2
Credit Weight: 3  
Transcript Title: Microbiology Adv Res Project  
Calendar Title: Microbiology Advanced Research Project.  
Description:  
For description see MIMM 496D1.  
Notes:  
Prerequisite(s): MIMM 496D1, MIMM 212, MIMM 384, MIMM 385  
No credit will be given for this course unless both MIMM 496D1 and MIMM 496D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Science  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 497  
Credit Weight: 6  
Transcript Title: Immunology Adv Res Project  
Calendar Title: Immunology Advanced Research Project.  
Description:  
This two-semester course is intended for undergraduate Science students who want a rigorous research experience beyond that of a one semester course (MIMM 396/397) and who are unlikely to take the Honours Research Project course (MIMM 501/502).  
Administering Faculty: Faculty of Science  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 497D1  
Credit Weight: 3  
Transcript Title: Immunology Adv Res Project  
Calendar Title: Immunology Advanced Research Project.  
Description:  
This two-semester course is intended for undergraduate Science students who want a rigorous research experience beyond that of a one semester course (MIMM 396/397) and who are unlikely to take the Honours Research Project course (MIMM 501/502).  
Notes:  
Students must register for both MIMM 497D1 and MIMM 497D2  
No credit will be given for this course unless both MIMM 497D1 and MIMM 497D2 are successfully completed in consecutive terms  
Prerequisites: MIMM 212, MIMM 384, MIMM 385  
Administering Faculty: Faculty of Science  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 497D2  
Credit Weight: 3  
Transcript Title: Immunology Adv Res Project  
Calendar Title: Immunology Advanced Research Project.  
Description:  
See MIMM 497D1 for description.  
Notes:  
Prerequisites: MIMM 497D1, MIMM 212, MIMM 384, MIMM 385  
No credit will be given for this course unless both MIMM 497D1 and MIMM 497D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Science  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active
MIMM 498
Credit Weight: 1
Transcript Title: Libr Research Proj - Immunol
Calendar Title: Library Research Project in Immunology.
Description:
Supervised exploration of the current scientific literature on an assigned topic of an advanced nature within the area of Immunology.
Notes:
Restriction: This course is intended for final year Microbiology and Immunology students only.
Prerequisite(s): MIMM 314, MIMM 323, MIMM 324 and MIMM 386.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 499
Credit Weight: 1
Transcript Title: Libr Research Proj - Microbiol
Calendar Title: Library Research Project in Microbiology.
Description:
Supervised exploration of the current scientific literature on an assigned topic of an advanced nature within the general areas of bacteriology, virology, or parasitology.
Notes:
Restriction: Open only to final year Microbiology and Immunology students.
Prerequisites: MIMM 314, MIMM 323, MIMM 324 and MIMM 386.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 501D1
Credit Weight: 6
Transcript Title: Hons Research Proj - Immunol
Calendar Title: Honours Research Project in Immunology.
Description:
Presentation of students' research findings in a seminar and a final written report.
Notes:
Restrictions: Not open to students who have taken or are taking MIMM 502D1/D2. Open to U3 Honours students and Majors students. Required CGPA: 3.50 or higher
An information meeting about the course is held annually in January for students who intend to apply for registration.
Students must register for both MIMM 501D1 and MIMM 501D2.
No credit will be given for this course unless both MIMM 501D1 and MIMM 501D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 501D2
Credit Weight: 6
Transcript Title: Hons Research Proj - Immunol
Calendar Title: Honours Research Project in Immunology.
Description:
See MIMM 501D1 for course description.

**Notes:**
- Prerequisite: MIMM 501D1
- No credit will be given for this course unless both MIMM 501D1 and MIMM 501D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Microbiology & Immunology  
**Status (catalog level):** Active

### MIMM 502D1
**Credit Weight:** 6  
**Transcript Title:** Hons Research Proj - Microbiol  
**Calendar Title:** Honours Research Project in Microbiology.  
**Description:**  
Presentation of students' research findings in a seminar and a final written report.  
**Notes:**  
- Fall  
- Restrictions: U3 Honours students and Majors students are eligible. Required CGPA: 3.50 or higher.  
- More than 18 hours per week for an independent research project.  
- An information meeting about the course is held annually in January for students who intend to apply for registration.  
- Students must register for both MIMM 502D1 and MIMM 502D2.  
- No credit will be given for this course unless both MIMM 502D1 and MIMM 502D2 are successfully completed in consecutive terms  

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Microbiology & Immunology  
**Status (catalog level):** Active

### MIMM 502D2
**Credit Weight:** 6  
**Transcript Title:** Hons Research Proj - Microbiol  
**Calendar Title:** Honours Research Project in Microbiology.  
**Description:**  
See MIMM 502D1 for course description.  
**Notes:**  
- Winter  
- Prerequisite: MIMM 502D1  
- No credit will be given for this course unless both MIMM 502D1 and MIMM 502D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Microbiology & Immunology  
**Status (catalog level):** Active

### MIMM 509
**Credit Weight:** 3  
**Transcript Title:** Inflammatory Processes  
**Calendar Title:** Inflammatory Processes.  
**Description:**  
This course concentrates on the non-specific aspects of the immune response, an area which is not adequately covered by the other immunology courses presented at the university. Interactions between guest researchers (from McGill and other universities) and students will be furthered.  
**Notes:**  
- Winter
3 hours of seminar
Corequisite: PHGY 513 or MIMM 414
This course will be given in conjunction with the Division of Experimental Medicine
Prerequisite: MIMM 314
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 510
Credit Weight: 3
Transcript Title: New Adv: Antimicrobial Drugs
Calendar Title: New Advances in Antimicrobial Drugs
Description: Overview on bacteria, insights into bacterial pathogenesis, an understanding of antibiotics, and new developments in antibacterial to beat antibiotic resistance.
Notes: Open to U3 students and above. Class capacity is first come first serve, after the first 15 students, the next 10 students priority will be given to MIMM and PHAR students. Not open to students who have taken or are taking PHAR 510.
Administering Faculty: Faculty of Science
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 607
Credit Weight: 3
Transcript Title: Biochemical Pathology
Calendar Title: Biochemical Pathology
Description: Immunopathogenesis of Human Disease: Lectures and seminars on immune-regulatory mechanisms (cellular/molecular), maintaining the balance between protection and pathology; pathogenesis of major infectious diseases with bacterial, viral and parasitic involvement (e.g. tuberculosis, AIDS, malaria) and classical immune disorders (e.g. asthma).
Notes: Restriction(s): Not open to students who have taken or are taking PATH 607.
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 611
Credit Weight: 3
Transcript Title: Graduate Seminars 1
Calendar Title: Graduate Seminars 1
Description: Presentation of a research proposal seminar, which is not held publically but presented and evaluated in the context of the first Advisory Committee meeting. Presentation of the relevant background of the research project, the hypothesis to be tested, the objectives of the research project and summary of the experimental approach that will be used.
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 612
Credit Weight: 3
Transcript Title: Graduate Seminars 2  
Calendar Title: Graduate Seminars 2.  
Description:  
Presentation of a scientific seminar, which includes a summary of the relevant background of the research project, the hypothesis being tested, the student's experimental work to date and the future objectives.  
Notes:  
Restriction: M.Sc. students - presentation of two seminar topics throughout the course of their degree program  
Administering Faculty: Graduate Studies  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 613  
Credit Weight: 3  
Transcript Title: Current Topics 1  
Calendar Title: Current Topics 1.  
Description:  
Graduate students are required to attend eight scientific seminars each term, for three terms. A minimum of four seminars should be attended from the Infection and Immunity Seminar Series offered by the Department of Microbiology and Immunology. A maximum of four life sciences-related seminars presented by principal investigators can be attended at McGill University or its affiliated centers (MUHC, LDI, IRCM).  
Administering Faculty: Graduate Studies  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 614  
Credit Weight: 3  
Transcript Title: Current Topics 2  
Calendar Title: Current Topics 2.  
Description:  
Graduate students are required to attend eight scientific seminars each term, for three terms. A minimum of four seminars should be attended from the Infection and Immunity Seminar Series offered by the Department of Microbiology and Immunology. A maximum of four life sciences-related seminars presented by principal investigators can be attended at McGill University or its affiliated centers (MUHC, LDI, IRCM).  
Administering Faculty: Graduate Studies  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 615  
Credit Weight: 3  
Transcript Title: Current Topics 3  
Calendar Title: Current Topics 3.  
Description:  
M.Sc. Students (discussion groups with guest speakers).  
Administering Faculty: Graduate Studies  
Teaching Department: Microbiology & Immunology  
Status (catalog level): Active

MIMM 616  
Credit Weight: 3  
Transcript Title: Reading and Conference 1
Calendar Title: Reading and Conference 1.
Description:
Student presentations, taken from current literature, are concerned with aspects of a central topic. Presentations are designed to be informal and to generate student discussions. Topic will change from term to term.
Notes:
Restriction: M.Sc. students - two of these courses required throughout the course of their degree program
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 617
Credit Weight: 3
Transcript Title: Reading and Conference 2
Calendar Title: Reading and Conference 2.
Description:
Student presentations, taken from current literature, are concerned with aspects of a central topic. Presentations are designed to be informal and to generate student discussions. Topic will change from term to term.
Notes:
Restriction: M.Sc. students - two of these courses required throughout the course of their degree program
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 618
Credit Weight: 3
Transcript Title: Reading and Conference 3
Calendar Title: Reading and Conference 3.
Description:
Student presentations, taken from current literature, are concerned with aspects of a central topic. Presentations are designed to be informal and to generate student discussions. Topic will change from term to term.
Notes:
Restriction: M.Sc. students - two of these courses required throughout the course of their degree program
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 619
Credit Weight: 3
Transcript Title: Reading and Conference 4
Calendar Title: Reading and Conference 4.
Description:
Student presentations, taken from current literature, are concerned with aspects of a central topic. Presentations are designed to be informal and to generate student discussions. Topic will change from term to term.
Notes:
Restriction: M.Sc. students - two of these courses required throughout the course of their degree program
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active
MIMM 697
Credit Weight: 11
Transcript Title: Master's Research 1
Calendar Title: Master's Research 1.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research.
Notes: Restriction: M.Sc. students
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 698
Credit Weight: 11
Transcript Title: Master's Research 2
Calendar Title: Master's Research 2.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research.
Notes: Restriction: M.Sc. students
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 699
Credit Weight: 11
Transcript Title: Master's Research 3
Calendar Title: Master's Research 3.
Description: Independent work under the direction of a supervisor on a research problem in the student's designated area of research.
Notes: Restriction: M.Sc. students
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 701
Credit Weight: 0
Transcript Title: Comp Exam-Ph.D. Candidate
Calendar Title: Comprehensive Examination-Ph.D. Candidate.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program. The comprehensive examination includes submission of a written research proposal, an oral presentation of the research accomplishments to date and an oral testing on the understanding of the research area and of relevant areas related to the research project. Students are expected to demonstrate a comprehensive understanding of their research area and a good understanding of relevant areas related to their project.
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active
MIMM 701D1
Credit Weight: 0
Transcript Title: Comp Exam-Ph.D. Candidate
Calendar Title: Comprehensive Examination-Ph.D. Candidate.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program. The comprehensive examination includes submission of a written research proposal, an oral presentation of the research accomplishments to date and an oral testing on the understanding of the research area and of relevant areas related to the research project. Students are expected to demonstrate a comprehensive understanding of their research area and a good understanding of relevant areas related to their project.
Notes:
Students must also register for MIMM 701D2
No credit will be given for this course unless both MIMM 701D1 and MIMM 701D2 are successfully completed in consecutive terms
MIMM 701D1 and MIMM 701D2 together are equivalent to MIMM 701
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 701D2
Credit Weight: 0
Transcript Title: Comp Exam-Ph.D. Candidate
Calendar Title: Comprehensive Examination-Ph.D. Candidate.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program. The comprehensive examination includes submission of a written research proposal, an oral presentation of the research accomplishments to date and an oral testing on the understanding of the research area and of relevant areas related to the research project. Students are expected to demonstrate a comprehensive understanding of their research area and a good understanding of relevant areas related to their project.
Notes:
Prerequisite: MIMM 701D1
No credit will be given for this course unless both MIMM 701D1 and MIMM 701D2 are successfully completed in consecutive terms
MIMM 701D1 and MIMM 701D2 together are equivalent to MIMM 701
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active

MIMM 713
Credit Weight: 3
Transcript Title: Graduate Seminars 3
Calendar Title: Graduate Seminars 3.
Description:
Presentation of a maximum of three seminars topics throughout the course of their degree program.
Notes:
Restriction: Ph.D. students
Administering Faculty: Graduate Studies
Teaching Department: Microbiology & Immunology
Status (catalog level): Active
MPCO 720
Credit Weight: 3
Transcript Title: Joint PhD Concordia 1
Calendar Title: Joint PhD Concordia 1.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPCO 721
Credit Weight: 3
Transcript Title: Joint PhD Concordia 2
Calendar Title: Joint PhD Concordia 2.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPCO 722
Credit Weight: 3
Transcript Title: Joint PhD Concordia 3
Calendar Title: Joint PhD Concordia 3.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPCO 723
Credit Weight: 3
Transcript Title: Joint PhD Concordia 4
Calendar Title: Joint PhD Concordia 4.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPCO 724
Credit Weight: 3
Transcript Title: Joint PhD Concordia 5
Calendar Title: Joint PhD Concordia 5.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPCO 725
Credit Weight: 3
Transcript Title: Joint PhD Concordia 6
Calendar Title: Joint PhD Concordia 6.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MPHE 740
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 1
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPHE 741
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 2
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPHE 742
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 3
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPHE 743
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 4
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPHE 744
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 5
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPHE 745
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 6
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPHE 746
Credit Weight: 3
Transcript Title: Joint PhD H.E.C. 7
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MPMC 320

Credit Weight: 3
Transcript Title: CAO et infor pour les mines
Calendar Title: CAO et informatique pour les mines.
Description:
Présentation de techniques informatisées et de logiciels permettant d'appliquer l'informatique dans le cadre des diverses opérations reliées à l'exploitation des mines. Utilisation de logiciels de support: chiffrier électronique, traitement de texte, éditeur graphique, utilitaires de DOS. Utilisation de graphisme, de traceurs à plumes, de tablettes numérantes, d'interfaces pour capteurs analogique/numérique et numérique/analogique. Notions de géométrie descriptive appliquées à des problèmes miniers.
Notes:
(2-3-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MPMC 321

Credit Weight: 3
Transcript Title: Méc des roches&cont des terrai
Calendar Title: Mécanique des roches et contrôle des terrains.
Description:
Notes:
(3-3-3)
Prérequis : MIME 323
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MPMC 326

Credit Weight: 3
Transcript Title: Recherche opérationnelle 1
Calendar Title: Recherche opérationnelle I.
Description:
Notes:
(3-3-3)
Prérequis: MATH 262.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MPMC 328

Credit Weight: 3
Transcript Title: Env et gest des rejets miniers
Calendar Title: Environnement et gestion des rejets miniers.
Description: Effets du milieu de travail sur l'homme (hygiène du travail) : législation; contraintes thermiques, problèmes de bruit, de contaminants gazeux et de poussières; techniques de mesures. Effets de l'exploitation d'une mine sur le milieu (environnement et écologie) : législation; études d'impacts; effluents miniers: origine, nature et traitement des effluents; entreposage des résidus; restauration des sites.
Notes: (3-3-3)
Prérequis : MIME 323 and CIVE 205
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MPMC 329
Credit Weight: 2
Transcript Title: Géologie minière
Calendar Title: Géologie minière.
Description: Méthodes de cartographie minière, de sondages et d'échantillonnage. Notion de teneur de coupure, calcul des réserves par les méthodes conventionnelles. Évaluation des réserves par les méthodes géostatistiques.
Notes: (2-2-2)
Prérequis : EPSC 221, MIME 200 et MIME 209.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MPMC 330
Credit Weight: 3
Transcript Title: Géotechnique minière
Calendar Title: Géotechnique minière.
Description: Propriétés mécaniques des matériaux meubles. Conception d'empilements et de digues de rétention pour les matériaux miniers. Conception de structures enfouies. Problèmes particuliers avec les résidus miniers: liquéfaction, déposition, etc. Écoulement gravitaire des matériaux meubles.
Notes: (3-3-3)
Prérequis : MIME 323.
Administrating Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active

MPMC 421
Credit Weight: 3
Transcript Title: Exploitation en souterrain
Calendar Title: Exploitation en souterrain.
Description: Étude des caractéristiques des principales méthodes d'abattage utilisées en souterrain. Méthodes d'analyse simplifiée d'un gisement quant à son exploitation

Notes:
(3-3-3)
Prérequis : MIME 322, MIME 325 et MIME 333.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MPQM 760
Credit Weight: 3
Transcript Title: Joint PhD U.Q.A.M. 1
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPQM 761
Credit Weight: 3
Transcript Title: Joint PhD U.Q.A.M. 2
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MPQM 762
Credit Weight: 3
Transcript Title: Joint PhD U.Q.A.M. 3
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MRKT 351
Credit Weight: 3
Transcript Title: Marketing & Society
Calendar Title: Marketing and Society.
Description:
The social issues and concerns affecting marketing management are examined and the
two way relationship between marketing and social change is explored. Particular
attention is paid to consumerism, government regulation in marketing, corporate
social responsibility, social marketing and marketing role in a conserve society.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 354
Credit Weight: 3
Transcript Title: Marketing Strategy
Calendar Title: Marketing Strategy.
Description:
Designing marketing strategies that satisfy customer needs while accounting for
competitive dynamics. The course combines readings with competitive simulation and
in-class exercises to demonstrate the results of different marketing strategies.
Notes:
Prerequisite: MGCR 352
Restrictions: Open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 355
Credit Weight: 3
Transcript Title: Services Marketing
Calendar Title: Services Marketing.
Description:
Services are fleeting and involve direct contact between the supplier and the
buyer. Inventories disappear every time an aircraft takes off or the night passes
for an hotel. Yet services have become the largest sector in modern Western
economy and their importance shows every sign of continuing to grow. This course
focuses on the key differences between product and services marketing and the
skills that are necessary for the services sector.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 357
Credit Weight: 3
Transcript Title: Marketing Planning 1
Calendar Title: Marketing Planning 1.
Description:
Structured approach to developing a marketing plan, proceeding from corporate
mission and objectives through to detailed marketing mix programs.
Notes:
Prerequisite(s): MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 365
Credit Weight: 3
Transcript Title: New Products
Calendar Title: New Products.
Description:
New products will follow the new product introduction process from idea generation to post introduction. It will use ideas developed in marketing, production and policy. It will use cases and projects and will involve a real life new product project. In the average firm today, 40% of sales come from products not being sold five years ago. The ability of the firm to innovate is at the heart of long term success.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 434
Credit Weight: 3
Transcript Title: Topics in Marketing 1
Calendar Title: Topics in Marketing 1.
Description:
Current topics in marketing.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 438
Credit Weight: 3
Transcript Title: Brand Management
Calendar Title: Brand Management.
Description:
Looks at the decisions a brand manager in a major consumer goods company takes. It examines, in particular, the breakdown of advertising and sales promotion expenditures. It looks at the short term nature of the decisions taken. It will concentrate on the vast amount of new information available to brand managers today, especially in the form of scanner data.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 440
Credit Weight: 3
Transcript Title: Marketing Analytics
Calendar Title: Marketing Analytics.
Description:
Analytic techniques available to marketing managers including practice with actual data sets to use the techniques. Topics covered will include customer and product analytic models, digital marketing, and marketing resource allocation.
Notes:
Prerequisite: MGCR 352
Restriction(s): Open only to U2 and U3 students. Not open to students who have taken MRKT 434 when topic was "Marketing Analytics".
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 442
Credit Weight: 3
Transcript Title: Customer Analytics
Calendar Title: Customer Analytics.
Description:
Identification of common data science solutions to customer analytics. What, when, where and how to collect customer data. Basic customer analysis and assessment of the influence of marketing programs on business performance and customer satisfaction. Insights gained from analytics to a non-technical audience. Examination of the cutting edge applications of customer analytics and emerging trends.
Notes:
Prerequisite: MGSC 401
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 451
Credit Weight: 3
Transcript Title: Marketing Research
Calendar Title: Marketing Research.
Description:
Theoretical techniques and procedures common in marketing research. Topics include: research design, sampling, questionnaire design, coding, tabulating, data analysis (including statistical techniques). Specialized topics may encompass advertising, motivation and product research; forecasting and location theory.
Notes:
Prerequisites: MGCR 352 and MGCR 271
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 452
Credit Weight: 3
Transcript Title: Consumer Behaviour
Calendar Title: Consumer Behaviour.
Description:
A study of basic factors influencing consumer behaviour. Attention is focused on psychological, sociological and economic variables including motivation, learning, attitude, personality, small groups, social class, demographic factors and culture, to analyze their effects on purchasing behaviour.
Notes:
Prerequisite: MGCR 352 or permission of Instructor and approval of the BCom Office
Restrictions: Restricted to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
MRKT 453
Credit Weight: 3
Transcript Title: Advertising and Media
Calendar Title: Advertising and Media.
Description:
Elements of an integrated marketing communications plan that engages consumers across different touch points, and achieves the communication objectives of the brand.
Notes:
Prerequisite(s): MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 455
Credit Weight: 3
Transcript Title: Sales Management
Calendar Title: Sales Management.
Description:
Responsibilities of the sales manager as they relate to the sales force. These include the selection of process, training alternatives, compensation and incentive plans, supervision and evaluation and budgeting and forecasting. Case studies and discussions of sales force models are used.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 456
Credit Weight: 3
Transcript Title: Business to Business Marketing
Calendar Title: Business to Business Marketing.
Description:
Decision-making and management of the marketing effort in a business to business (b-to-b) context, including the b-to-b marketing system; b-to-b purchasing; researching the b-to-b market; product, price distribution, selling and advertising decisions; strategies for business markets.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 459
Credit Weight: 3
Transcript Title: Retail Management
Calendar Title: Retail Management.
Description:
Principles and methods of marketing management as applied to retailing, including strategy and tactics: market structure; consumer behaviour; competition; financial management; human resources planning; promotion; presentation; merchandising; operations; pricing; planning and attaining retail profits. Lectures, text material, outside reading, planned retail visiting, cases.
Notes:
Prerequisite: MGCR 352

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 483
Credit Weight: 3
Transcript Title: International Marketing Mgmt
Calendar Title: International Marketing Management.
Description:
Marketing management considerations of a company seeking to extend beyond its
domestic market. Required changes in product, pricing, channel, and communications
policies. Attention to international trade and export marketing in the Canadian
context.
Notes:
Prerequisites: MGCR 382 and MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MRKT 645
Credit Weight: 3
Transcript Title: Winning at Brands
Calendar Title: Winning at Brands.
Description:
This course is designed to convey the structures, frameworks and evolving best
practices of effective brand management. Core brand management techniques examined
include launching new brands, rehabilitating damaged brands and various brand
extension options. The valuation of brands and the development and optimization of
brand equity profiles are also covered.
Notes:
Restriction: Not open to students who have taken MRKT 690 (when topic was Winning
at Brands)
The course is delivered using a mixture of concept briefings, case simulations
and class debates.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 652
Credit Weight: 3
Transcript Title: Competitive Marketing Strategy
Calendar Title: Competitive Marketing Strategy.
Description:
Analyzing marketing actions from a competitive perspective and designing marketing
strategies following a customer-centric philosophy. It combines case study
methodology with competitive simulations to deliver a high-impact experience that
demonstrate the results of marketing actions in different competitive scenarios.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 655
Credit Weight: 3
Transcript Title: Marketing Planning
Calendar Title: Marketing Planning.
Description:
The design and implementation of marketing plans. Emphasis on management decision-making; approaches and techniques for formulating marketing objectives; identifying alternate strategies; preparing the marketing plan; implementing and controlling the plan.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 657
Credit Weight: 3
Transcript Title: Customer Insights
Calendar Title: Customer Insights.
Description:
Frameworks, concepts, and tools for gaining insights into customers, and using these insights to develop effective marketing programs.
Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 657D1
Credit Weight: 1.5
Transcript Title: Customer Insights
Calendar Title: Customer Insights.
Description:
Frameworks, concepts, and tools for gaining insights into customers, and using these insights to develop effective marketing programs.
Notes:
Students must register for both MRKT 657D1 and MRKT 657D2
No credit will be given for this course unless both MRKT 657D1 and MRKT 657D2 are successfully completed in consecutive terms
MRKT 657D1 and MRKT 657D2 together are equivalent to MRKT 657

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 657D2
Credit Weight: 1.5
Transcript Title: Customer Insights
Calendar Title: Customer Insights.
Description:
See MRKT 657D1 for course description.
Notes:
Prerequisite: MRKT 657D1
No credit will be given for this course unless both MRKT 657D1 and MRKT 657D2 are successfully completed in consecutive terms
MRKT 657D1 and MRKT 657D2 together are equivalent to MRKT 657

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 658
Credit Weight: 3
Transcript Title: Marketing Intelligence
Calendar Title: Marketing Intelligence.
Description: Marketing intelligence is essential for maximizing returns on marketing investments. This course covers the cutting edge techniques and tools available for generating marketing intelligence and provides practice on how to leverage this knowledge to make effective marketing decisions. Lectures and case study format is followed.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 671
Credit Weight: 1.5
Transcript Title: Advanced Marketing Analytics
Calendar Title: Advanced Marketing Analytics.
Description: The course will introduce students to advanced marketing analytic techniques available to managers and give them hands-on experience on using these with actual datasets. The major learning vehicle will be lectures with step-by-step exposition of analytical techniques with actual data. These will be then complemented with cases involving data analysis. Topics covered include customer and product analytics techniques.
Notes: Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 672
Credit Weight: 1.5
Transcript Title: Internet Marketing Analytics
Calendar Title: Internet Marketing Analytics.
Notes: Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 673
Credit Weight: 1.5
Transcript Title: Pricing Analytics
Calendar Title: Pricing Analytics.
Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

Administering Faculty: Graduate Studies

Teaching Department: Management

Status (catalog level): Active

**MRKT 674**

Credit Weight: 1.5

Transcript Title: Retail Analytics

Calendar Title: Retail Analytics.

Description:
This course will cover the following topics: loyalty program data analysis, assortment planning and category management, market basket analysis, Store location and trade area analysis, and forecasting and buying decision.

Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

Administering Faculty: Graduate Studies

Teaching Department: Management

Status (catalog level): Active

**MRKT 690**

Credit Weight: 3

Transcript Title: Advanced Topics in Marketing 1

Calendar Title: Advanced Topics in Marketing 1.

Description:
Current topics in marketing.

Notes:

Administering Faculty: Graduate Studies

Teaching Department: Management

Status (catalog level): Active

**MRKT 691**

Credit Weight: 3

Transcript Title: Advanced Topics in Marketing 2

Calendar Title: Advanced Topics in Marketing 2.

Description:
Current topics in marketing.

Notes:

Administering Faculty: Graduate Studies

Teaching Department: Management

Status (catalog level): Active

**MRKT 696**

Credit Weight: 1.5

Transcript Title: Adv Topics in Mrktg Analytics

Calendar Title: Advanced Topics in Marketing Analytics.

Description:
Current emerging topics in marketing analytics. Course content will vary each term.

Notes:
Prerequisite(s): (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

Administering Faculty: Graduate Studies

Teaching Department: Management

Status (catalog level): Active
MRKT 701
Credit Weight: 3
Transcript Title: Models in Consumer Research
Calendar Title: Models in Consumer Research.
Description: A study of models in consumer research.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 702
Credit Weight: 3
Transcript Title: Advances in Consumer Behaviour
Calendar Title: Advances in Consumer Behaviour.
Description: A study of advances in factors influencing consumer behaviour.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 705
Credit Weight: 3
Transcript Title: Seminar in Marketing
Calendar Title: Seminar in Marketing.
Description: Seminar in marketing.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 706
Credit Weight: 3
Transcript Title: Automatic Consumer Behaviour
Calendar Title: Automatic Consumer Behaviour.
Description: Automatic psychological processes underlying consumer judgements and decisions.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 707
Credit Weight: 3
Transcript Title: Multilevel Modelling
Calendar Title: Multilevel Modelling.
Description: Basic conception ideas of hierarchical linear and non-linear models, including various extensions of hierarchical models that are useful in applied work.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 708
Credit Weight: 3
Transcript Title: Judgement and Decision Making
Calendar Title: Judgement and Decision Making.
Description:
Individual decision making, alternative representations of preferences and choices; as well as strategic decisions and social factors in decision making, game theory, social dilemmas, and negotiations.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 709
Credit Weight: 3
Transcript Title: Decision-Neuroscience
Calendar Title: Decision-Neuroscience.
Description:
Decision neuroscience may be utilized to offer information about expected investor behaviour and provide a due diligence tool for measuring asset managers' potential abilities. Experimental directions covered will include neuroscience studies of decision-making at the individual level, including the brain mechanisms behind risk, reward and punishment learning, valuation, motivation, and self control.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 710
Credit Weight: 3
Transcript Title: Topics in Marketing Strategy
Calendar Title: Topics in Marketing Strategy.
Description:
Students will examine the prevailing theories and methodologies in marketing strategy research, discuss their foundations, and explore their extensions for future research. After taking the course, students will be able to recognize state-of-the-art research in marketing strategy and formulate research proposals that contribute new knowledge to the area.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

MRKT 711
Credit Weight: 3
Transcript Title: Topics in Service Science
Calendar Title: Topics in Service Science.
Description:
Students will study, discuss, and critique a selection of important and influential research papers on service science. They will develop an in-depth understanding of theories, concepts, models and paradigms that collectively form the foundation for service science.

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
MSUS 400
Credit Weight: 3
Transcript Title: Indep. Stud. in Sustainability
Calendar Title: Independent Studies in Sustainability.
Description:
Research reading or field projects in sustainability, permitting independent study under the guidance of a Faculty member.
Notes:
Restriction (s): Open only to U3 students within the BCom.Major in Managing for Sustainability
Restriction (s): CGPA of at least 3.00 required.
Projects to be arranged individually with instructors. A detailed proposal from the student must be submitted to the instructor and the Director of the BCom program during the first week of term. Guidelines are available in the BCom program office and on the BCom program website at http://www.mcgill.ca/desautels/programs/bcom.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MSUS 401
Credit Weight: 3
Transcript Title: Sustainability Consulting
Calendar Title: Sustainability Consulting.
Description:
Designed around a pro bono consulting engagement, provides real-world experience in applying management consulting theories and tools to plan and implement projects that move organizations towards sustainability. Topics include: consulting as an industry; different types of sustainability consulting; implementing change in organizations; and project management.
Notes:
Restriction(s): Open only to U2, U3 students. Priority registration to students in the BCom. Major in Managing for Sustainability.
Prerequisite: MGPO 440
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MSUS 402
Credit Weight: 3
Transcript Title: Sys Thinking & Sustainability
Calendar Title: Systems Thinking and Sustainability.
Description:
Examines interconnected dynamics of organizations and social, economic, and ecological systems. Introduces systems thinking principles to foster learning, inform organizational decision-making, and solve real-world problems. Covers problem diagnosis and resolution of organizational and societal sustainability issues through causal loop diagrams, stock-and-flow mapping, group model building, computational simulations and case studies.
Notes:
Restriction: Open only to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MSUS 434
Credit Weight: 3
Transcript Title: Topics in Sustainability
Calendar Title: Topics in Sustainability.
Description:
An advanced topic in sustainability.
Notes:
Restriction: Open only to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

MSUS 497
Credit Weight: 3
Transcript Title: Internship in Sustainability
Calendar Title: Internship in Sustainability.
Description:
Internship of a minimum of 150 hours of work over a period of 8 to 12 weeks, at an approved host institution, with a focus on sustainability.
Notes:
Restriction: Open only to U2, U3 students within the B.Com. Major in Managing for Sustainability program.
Must receive approval of the position and arrange for a faculty member to serve as supervisor for the graded, written portion of the internship. .
Guidelines are available in the BCom program office and on the BCom website at http://www.mcgill.ca/desautels/programs/bcom
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
MUAR 201
Credit Weight: 3
Transcript Title: Basic Materials: Western Mus
Calendar Title: Basic Materials: Western Music.
Description: A combination of elementary theory and ear training (sightsinging and aural recognition), and basic piano skills. Topics include: notation of pitch and rhythm, intervals, scales and modes, concept of key, triads and seventh chords, introductory melody and accompaniment writing.
Notes: 3 hours
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 202
Credit Weight: 3
Transcript Title: Basic Materials: Western Mus 2
Calendar Title: Basic Materials: Western Music 2.
Description: Integrated course in music theory with creative applications of acquired skills. Analysis and writing: concepts of melodic organization, elementary harmonic progressions, two-part contrapuntal techniques, fundamental formal procedures, examination of popular song and jazz. Development of individual skills: intermediate sightsinging, aural recognition, keyboard techniques, small group performance in class.
Notes: 3 hours
Prerequisite: MUAR 201 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 211
Credit Weight: 3
Transcript Title: The Art of Listening
Calendar Title: The Art of Listening.
Description: An introduction to the major forms and styles in Western music from the baroque to the present, with emphasis on guided listening in the classroom. The ability to read music is not a prerequisite.
Notes: 3 hours
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 250
Credit Weight: 3
Transcript Title: Women Making Music
Calendar Title: Women Making Music.
Description: Repertoire composed and/or performed by women since 1920, with a focus on North America and women's participation in music in a variety of roles. Special attention will be paid to the different challenges faced by women of different races and classes, in both avant-garde and popular music traditions.
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 374
Credit Weight: 3
Transcript Title: Special Topics in Music
Calendar Title: Special Topics in Music.
Description:
A course whose topics will correspond to special historical events and their associated musical, political, and cultural contexts.
Notes:
3 hours
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 382
Credit Weight: 3
Transcript Title: Introduction to World Music
Calendar Title: Introduction to World Music.
Description:
An examination of musical traditions from around the world, looking at musical genres, aesthetics, instruments, and musical systems. We will focus on how sound is framed and shaped by social settings, and how processes such as migration and oral transmission affect perception and performance.
Notes:
Prerequisite: MUAR 201 or MUAR 211 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 384
Credit Weight: 3
Transcript Title: Romanticism & the Piano
Calendar Title: Romanticism and the Piano.
Description:
A survey of nineteenth-century European piano music: the piano virtuoso as cult figure, the social functions of the piano, women and the piano, and developing Romantic sensibilities as expressed in piano music throughout the century. Repertoire may include works by Beethoven, Chopin, Liszt, and Rachmaninoff, among others.
Notes:
3 hours
Prerequisite: MUAR 201 or MUAR 211 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 385
Credit Weight: 3
Transcript Title: Music of the Avant-Garde
Calendar Title: Music of the Avant-Garde.
Description:
Explorations into post-1945 sound environments; new timbres (Berio and Crumb); "technological" music (electronic and computer music); minimalism (Glass); new aesthetics (Cage); the World Soundscape Project (Schafer); global trends
(cross-cultural influences; the New Romanticism; multi-media; protest music).

Notes:
3 hours
Prerequisite: MUAR 201 or MUAR 211
Administrating Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 387
Credit Weight: 3
Transcript Title: The Opera
Calendar Title: The Opera.
Description:
A survey of opera from c.1600 to the present. Opera as ritual, opera as spectacle, opera as catharsis, opera as business, opera and its literary models. The continuing relevance of the operatic experience today.
Notes:
3 hours
Prerequisite: MUAR 201 or MUAR 211
Administrating Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 389
Credit Weight: 3
Transcript Title: The Symphony and Concerto
Calendar Title: The Symphony and Concerto.
Description:
An historical overview of two major genres in the current concert repertoire: baroque foundations, the Viennese achievement, Beethoven's influence, visionaries and nationalists after 1850, cross-currents in the twentieth century.
Notes:
3 hours
Prerequisite: MUAR 201 or MUAR 211
Administrating Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 392
Credit Weight: 3
Transcript Title: Popular Music after 1945
Calendar Title: Popular Music after 1945.
Description:
An historical survey of major artists, genres, and styles in the most widespread traditions of postwar commercial music. The course will include practice in techniques of listening, discussion of the shaping institutions of commercial music, and consideration of the interaction of musical style and culture.
Notes:
3 hours
Administrating Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 393
Credit Weight: 3
Transcript Title: Intro to Jazz
Calendar Title: Introduction to Jazz.
Description:
A survey of the development of jazz from its late 19th-century origins in America to the present day, with an introduction to musical concepts relevant to the genre and consideration of sociocultural issues.

Notes:
3 hours
Prerequisite: MUAR 201 or MUAR 211 or permission of instructor.
Restriction: Open only to non-Music majors

Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active

MUAR 399
Credit Weight: 3
Transcript Title: Music and Queer Identity
Calendar Title: Music and Queer Identity.
Description:
A survey of notable lesbian, gay, bisexual, transgender, queer composers and musicians in both art music and popular music, and an exploration of musical meaning from queer perspectives, covering topics such as coded expression, subcultural music-making, the value of mainstream visibility, and minority versus 'universal' aesthetics.

Notes:
Prerequisite: MUAR 201 or MUAR 211 or permission of instructor.
Restriction: Open only to non-music majors.
Administering Faculty: Faculty of Arts
Teaching Department: Music Research
Status (catalog level): Active
MUCO 230
Credit Weight: 3
Transcript Title: The Art of Composition
Calendar Title: The Art of Composition.
Description:
An introduction to compositional techniques and notational practices of the twentieth and twenty-first centuries, including the analysis of selected works.
Notes:
Prerequisites: MUTH 150, MUTH 151, MUSP 140, MUSP 141, MUCO 260
Restriction: Open to non-composition majors.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 241
Credit Weight: 3
Transcript Title: Tonal Composition 1A
Calendar Title: Tonal Composition 1A.
Description:
A writing course based upon the stylistic concepts and resources of European music (Classical to late-Romantic styles), designed to develop control of factors such as phrase structure, melodic shape, rhythm, linear continuity, economy of means, and basic contrapuntal procedures. Extensive analysis of characteristic forms.
Notes:
Prerequisite(s): MUTH 150 and MUSP 140
Corequisite(s): MUSP 171
Restriction(s): Open only to students in Composition.
Restriction(s): Students from other programs may be accepted with the permission of the instructor, after submitting samples of previous work.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 242
Credit Weight: 3
Transcript Title: Tonal Composition 1B
Calendar Title: Tonal Composition 1B.
Description:
An advanced writing course based upon the stylistic concepts and resources of European music (Classical to late-Romantic styles), designed to develop control of factors such as phrase structure, melodic shape, rhythm, linear continuity, economy of means, and basic contrapuntal procedures. Extensive analysis of characteristic forms.
Notes:
Prerequisite(s): MUCO 241
Restriction(s): Open only to students in Composition.
Restriction(s): Students from other programs may be accepted with the permission of the instructor, after submitting samples of previous work.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 245
Credit Weight: 2
Transcript Title: Composition 1A
Calendar Title: Composition 1A.
Description:
20th- and 21st-century techniques and approaches. Basic parameters such as pitch, rhythm and timbre, and their inter-relationship at all structural levels. Notation and score preparation. Performance practice. Analysis of selected 20th- and 21st-century scores. Writing of short pieces for solo instruments and small ensembles, including voice.

**Notes:**
- Prerequisite(s): MUTH 150 and MUSP 141.
- Corequisite(s): MUSP 170 and MUSP 240.
- Restriction(s): Open only to students in Composition.
- Restriction(s): Not open to students who have taken MUCO 245D1/D2.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

**MUCO 246**

**Credit Weight:** 3

**Transcript Title:** Composition 1B

**Calendar Title:** Composition 1B.

**Description:**
More advanced 20th- and 21st-century techniques and approaches. Basic parameters such as pitch, rhythm and timbre, and their inter-relationship at all structural levels. Notation and score preparation. Performance practice. Analysis of selected 20th- and 21st-century scores. Writing of short pieces for solo instruments and small ensembles, including voice.

**Notes:**
- Prerequisite(s): MUCO 245
- Corequisite(s): MUSP 171 and MUSP 241.
- Restriction(s): Open only to students in Composition.
- Restriction(s): Not open to students who have taken MUCO 245D1/D2.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

**MUCO 260**

**Credit Weight:** 3

**Transcript Title:** Instruments of the Orchestra

**Calendar Title:** Instruments of the Orchestra.

**Description:**
An introductory study of the instruments of string, woodwind and brass families, elementary acoustics of the instruments. Techniques of playing including embouchure, fingering, bowing, hand-stopping, transposing instruments. Evolution of the instruments, their technique and their music from the 18th century to the present.

**Notes:**
- 3 hours
- Prerequisite: MUTH 150 or MUTH 111 or MUJZ 160
- Restriction: Not open to students in the Major Composition
- Priority will be given to students in the Minor Composition and Special Students in the prerequisite package for Sound Recording. Other students may be admitted with permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

**MUCO 261**

**Credit Weight:** 3
Transcript Title: Orchestration 1
Calendar Title: Orchestration 1.
Description:
Study of the instruments of the western orchestra, including performance techniques, used in different combinations. Score reading and notation. Analysis of excerpts of the repertoire from the point of view of instrumental writing and timbral combination. Reduction of orchestral scores for piano; scoring and transcription of piano works for different ensembles. Instruments studied: strings, harp, woodwinds, standard keyboards. Orchestration: scoring for string quartet, string ensembles, woodwind quintet and ensembles, small orchestra.
Notes:
3 hours
Prerequisites: MUTH 150 and MUSP 140.
Corequisite(s): MUSP 170
Restriction(s): Only open to B.Mus. Major in Composition students; students from other programs may be accepted with the permission of the instructor. Samples of previous work may be requested.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MU CO 340 D1
Credit Weight: 2
Transcript Title: Composition 2
Calendar Title: Composition 2.
Description:
Composition tutorial. Weekly hour-long private composition lessons. Students are required to complete, at a minimum, a five-minute composition in each of the fall and winter semesters, or the equivalent (for example, a 10-minute composition completed over the course of both semesters). Works may include acoustic instruments and/or voices, with or without electronics. Goals may include advancement of technique, study of relevant repertoire and development of a personal musical style.
Notes:
2 hours
Prerequisite: MU CO 245D1/D2 and MU CO 246.
Corequisites: one 300-level MUSP course
Students must register for both MU CO 340D1 and MU CO 340D2.
No credit will be given for this course unless both MU CO 340D1 and MU CO 340D2 are successfully completed in consecutive terms
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MU CO 340 D2
Credit Weight: 2
Transcript Title: Composition 2
Calendar Title: Composition 2.
Description:
See MU CO 340D1 for course description.
Notes:
Prerequisite: MU CO 340D1
No credit will be given for this course unless both MU CO 340D1 and MU CO 340D2 are successfully completed in consecutive terms
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
MUCO 341
Credit Weight: 3
Transcript Title: Digital Studio Composition 1
Calendar Title: Digital Studio Composition 1.
Description: Composition with MIDI, audio recording, digital audio signal processing software and hardware. Creation of small-scale composition studies using technological resources in the context of electroacoustic music. The hands-on activities will include critical listening and evaluation of electronic and computer music repertoire.
Symbols: LIMT - Limited enrolment
Notes: 3 hours lecture-demonstration and 3 hours studio time
Prerequisite: MUCO 246 or MUCO 230
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 342
Credit Weight: 3
Transcript Title: Digital Studio Composition 2
Calendar Title: Digital Studio Composition 2.
Description: Advanced composition with MIDI, audio recording, digital audio signal processing software and hardware. Creation of complete electroacoustic pieces and/or production of audio media materials.
Symbols: LIMT - Limited enrolment
Notes: 3 hours lecture-demonstration and 3 hours studio time
Prerequisite: MUCO 341
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 360
Credit Weight: 3
Transcript Title: Orchestration 2
Calendar Title: Orchestration 2.
Description: Reduction of orchestral scores for piano. Scoring and transcription of piano works for different ensembles. Instruments studied: brass and percussion. Orchestration: brass ensembles, percussion ensembles and combinations. Scoring for full orchestra.
Notes: Prerequisite: MUCO 261
Restrictions: Only open to B.Mus. Major in Composition students; students from other programs may be accepted with the permission of the instructor, after submitting samples of previous work.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 373
Credit Weight: 3
Transcript Title: Special Topic in Composition 1
Calendar Title: Special Topic in Composition 1.
Description: Special topic in composition.
Notes: Prerequisites: MUHL 184, MUHL 185, MUTH 211 or MUCO 240D1/D2, MUSP 231; or MUHL 186, MUHL 286, MUTH 250 or MUCO 240D1/D2, MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 374
Credit Weight: 3
Transcript Title: Special Topic in Composition 2
Calendar Title: Special Topic in Composition 2.
Description: Special topic in composition.
Notes: Prerequisites: MUHL 184, MUHL 185, MUTH 211 or MUCO 240D1/D2, MUSP 231; or MUHL 186, MUHL 286, MUTH 250 or MUCO 240D1/D2, MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 440D1
Credit Weight: 2
Transcript Title: Composition 3
Calendar Title: Composition 3.
Description: Composition tutorial. Continuation of MUCO 340. Students may work with the same instructor, or choose to work with a different instructor.
Notes: 2 hours
Prerequisite: MUCO 340
Students must register for both MUCO 440D1 and MUCO 440D2.
No credit will be given for this course unless both MUCO 440D1 and MUCO 440D2 are successfully completed in consecutive terms
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 440D2
Credit Weight: 2
Transcript Title: Composition 3
Calendar Title: Composition 3.
Description: See MUCO 440D1 for course description.
Notes: Prerequisite: MUCO 440D1
No credit will be given for this course unless both MUCO 440D1 and MUCO 440D2 are successfully completed in consecutive terms
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 460
Credit Weight: 2
Transcript Title: Orchestration 3
Calendar Title: Orchestration 3.
Description:
Analysis of advanced orchestration techniques. Various orchestration theories and practices used by composers, particularly in the twentieth century including the study of extended techniques.
Notes:
2 hours
Prerequisite: MUCO 240 and MUCO 261; or MUCO 360
Administration Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 462
Credit Weight: 3
Transcript Title: Advanced Tonal Writing
Calendar Title: Advanced Tonal Writing.
Description:
Stylistic concepts and resources of European music including phrase structure, melodic shape, rhythm, linear continuity, economy of means, notation, and basic contrapuntal procedures. Extensive and detailed analysis of characteristic repertoire.
Notes:
Prerequisite: MUCO 340D1/D2 or MUTH 350
Administration Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 475
Credit Weight: 3
Transcript Title: Special Project: Composition
Calendar Title: Special Project: Composition.
Description:
A student or students may engage in an individual research project with the approval of the Departmental Chair and under appropriate supervision.
Notes:
Prerequisite(s): MUCO 340 or permission of the instructor.
Approval of the Department Chair and the Associate Dean.
Administration Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 541
Credit Weight: 3
Transcript Title: Adv Digital Studio Comp 1
Calendar Title: Advanced Digital Studio Composition 1.
Description:
Advanced topics in digital studio composition. Aesthetics and poetics of electroacoustic composition. Analytical approaches to this repertoire. Use of digital signal processing and synthesis techniques. Creation of complete pieces incorporating music technology which may include a live performance component.
Notes:
Prerequisite: MUCO 342 or permission of the instructor.
Administration Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 542
Credit Weight: 3
Transcript Title: Adv Digital Studio Comp 2
Calendar Title: Advanced Digital Studio Composition 2.
Description: Further advanced topics in digital studio composition culminating in a complete large-scale work incorporating music technology, including computer-assisted composition, analysis/resynthesis techniques, and new gestural controllers for live performance of digital musical instruments.
Notes: Prerequisite: MUCO 541.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 575
Credit Weight: 3
Transcript Title: Topics in Composition
Calendar Title: Topics in Composition.
Description: Pitch systems, harmonic concepts and compositional techniques from the late 19th Century to the present.
Notes: Prerequisite: MUCO 340D1/D2
Topics will change from semester to semester.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUCO 622D1
Credit Weight: 3
Transcript Title: Composition Tutorial
Calendar Title: Composition Tutorial.
Description: Individualized guided composition research on an approved topic.
Notes: Students must register for both MUCO 622D1 and MUCO 622D2
No credit will be given for this course unless both MUCO 622D1 and MUCO 622D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUCO 622D2
Credit Weight: 3
Transcript Title: Composition Tutorial
Calendar Title: Composition Tutorial.
Description: Individualized guided composition research on an approved topic.
Notes: Prerequisite: MUCO 622D1
No credit will be given for this course unless both MUCO 622D1 and MUCO 622D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MU CO 631
Credit Weight: 3
Transcript Title: Seminar in Composition 1
Calendar Title: Seminar in Composition 1.
Description: Seminar in composition. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MU CO 632
Credit Weight: 3
Transcript Title: Seminar in Composition 2
Calendar Title: Seminar in Composition 2.
Description: Seminar in composition. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MU CO 633
Credit Weight: 3
Transcript Title: Seminar in Composition 3
Calendar Title: Seminar in Composition 3.
Description: Seminar in composition. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MU CO 634
Credit Weight: 3
Transcript Title: Seminar in Composition 4
Calendar Title: Seminar in Composition 4.
Description: Seminar in composition. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MU CO 635
Credit Weight: 3
Transcript Title: Seminar in Composition 5
Calendar Title: Seminar in Composition 5.
Description:
Seminar in composition. Topic varies by year.

Notes:
3 hours

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUCO 636
Credit Weight: 3
Transcript Title: Seminar in Composition 6
Calendar Title: Seminar in Composition 6.
Description:
Seminar in composition. Topic varies by year.
Notes:
3 hours

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUCO 710
Credit Weight: 0
Transcript Title: General Examinations
Calendar Title: General Examinations.
Description:
Series of examinations (harmony, counterpoint, orchestration and analysis presentation).
Notes:
Restrictions: Only open to students in the D.Mus. Music; Composition and the Ph.D. Music; Composition programs.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUCO 722D1
Credit Weight: 3
Transcript Title: Doctoral Composition Tutorial
Calendar Title: Doctoral Composition Tutorial.
Description:
Individualized guided composition research on an approved topic.
Notes:
Students must register for both MUCO 722D1 and MUCO 722D2
No credit will be given for this course unless both MUCO 722D1 and MUCO 722D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUCO 722D2
Credit Weight: 3
Transcript Title: Doctoral Composition Tutorial
Calendar Title: Doctoral Composition Tutorial.
Description:
Individualized guided composition research on an approved topic.
Notes:
Prerequisite: MUCO 722D1
No credit will be given for this course unless both MUCO 722D1 and MUCO 722D2 are
successfully completed in consecutive terms

**Administrating Faculty**: Graduate Studies

**Teaching Department**: Music Research

**Status (catalog level)**: Active
MUCT 235

Credit Weight: 3

Transcript Title: Vocal Techniques

Calendar Title: Vocal Techniques.

Description:
Development of basic singing skills through group voice lessons, lectures, and Choral Lab performances. Emphasis will be on: text production, breathing, projection, clarity of vowels and consonants, the International Phonetic Alphabet, and definition of voice categories. Simple diagnostic teaching skills will be developed through observation of group voice lessons.

Symbols: LIMT - Limited enrolment

Notes:
3 hours and 2 hours lab

Corequisites: MUTH 110 or MUTH 111 AND MUSP 129 or MUSP 131 AND MUHL 184 or MUHL 185; or MUTH 151 AND MUSP 140 or MUSP 141 AND MUHL 186 or MUHL 286

Administrating Faculty: Schulich School of Music

Teaching Department: Music Research

Status (catalog level): Active

MUCT 315

Credit Weight: 3

Transcript Title: Choral Conducting 1

Calendar Title: Choral Conducting 1.

Description:
The fundamental skills of choral conducting, including baton technique, score reading, and rehearsal procedures. Conducting materials will be selected from representative choral works.

Symbols: LIMT - Limited enrolment

Notes:
3 hours and 2 hours lab

Prerequisites: MUTH 211, MUSP 229, MUCT 235 and MUGT 215; or MUTH 250, MUSP 240, MUCT 235 and MUGT 215; or permission of instructor

Administrating Faculty: Schulich School of Music

Teaching Department: Music Research

Status (catalog level): Active
MUEN 454
Credit Weight: 2
Transcript Title: Introductory Opera Rep Experience
Calendar Title: Introductory Opera Repertoire Experience.
Description:
Instruction on Acting Methods, Aria as Monologue, theatrical movement, and script/score analysis as well as take part in production singing roles, covering roles, and/or singing in the ensemble. The course culminates in a Scenes Program that may include repertoire from the last 400 years of opera, operetta, Singspiel, opéra comique, musical theatre, and 21st century works.
Notes:
Prerequisite: Audition
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 496
Credit Weight: 2
Transcript Title: Opera Studio
Calendar Title: Opera Studio.
Description:
Coachings, rehearsals, stagings, technical/dress rehearsals in the theatre, and performances in front of an audience.
Notes:
2 hours
Prerequisite: Audition
For Music students; open to others by permission of the Department.
For undergraduate voice majors cast in roles in Opera McGill productions.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 540
Credit Weight: 0.5
Transcript Title: Chamber Music Project 1
Calendar Title: Chamber Music Project 1.
Description:
Chamber music ensemble for various instruments.
Notes:
Requires departmental approval
Restrictions: Open to undergraduate and graduate Performance students
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 541
Credit Weight: 0.5
Transcript Title: Chamber Music Project 2
Calendar Title: Chamber Music Project 2.
Description:
Chamber music ensemble for various instruments.
Notes:
Requires departmental approval
Restrictions: Open to undergraduate and graduate Performance students
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active
MUEN 553
Credit Weight: 1
Transcript Title: Vocal Chamber Ensemble
Calendar Title: Vocal Chamber Ensemble.
Description:
Vocal ensemble repertoire written after 1800.
Notes:
Prerequisite: Audition
Restriction: Open by audition to pianists and singers.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 556
Credit Weight: 1
Transcript Title: Intro to Collaborative Piano 1
Calendar Title: Introduction to Collaborative Piano 1.
Description:
Aspects and techniques of performing in ensembles, including vocal accompanying, piano duos, instrumental duos and chamber ensemble work. Ensemble score-reading, preparation and performance analysis.
Notes:
2 hours
Prerequisite: Audition
Restriction: Not open to students who have taken MUEN 583
Open to singers and pianists.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 557
Credit Weight: 1
Transcript Title: Intro to Collaborative Piano 2
Calendar Title: Introduction to Collaborative Piano 2.
Description:
Developing the collaborative performance. Masterclass-style coaching of assignments in vocal accompanying, piano duos, instrumental duos and chamber ensemble work. Further ensemble score-reading, preparation and performance analysis.
Notes:
Prerequisite: Audition
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 560
Credit Weight: 1
Transcript Title: Chamber Music Ensemble
Calendar Title: Chamber Music Ensemble.
Description:
Ensemble for chamber music - various instruments.
Notes:
Prerequisite(s): Audition.
Restriction(s): For Music students; open to others by permission of the Department.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 561
Credit Weight: 1
Transcript Title: 2nd Chamber Music Ensemble
Calendar Title: 2nd Chamber Music Ensemble.
Description:
Chamber music of the Medieval, Renaissance and Baroque periods.
Notes:
1 hour
Prerequisite: Audition.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 562
Credit Weight: 1
Transcript Title: Guitar Ensemble
Calendar Title: Guitar Ensemble.
Description:
Performance of guitar ensemble repertoire and transcriptions throughout music history and in various genres.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 563
Credit Weight: 2
Transcript Title: Jazz Vocal Workshop
Calendar Title: Jazz Vocal Workshop.
Description:
Vocal workshop for jazz musicians.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 564
Credit Weight: 1
Transcript Title: Conducting Workshop
Calendar Title: Conducting Workshop.
Description:
Workshop for conductors that provides rehearsal podium time with various ensembles as relevant to students' specialty.
Notes:
Restriction: Open only to graduate students in conducting or with the permission of the instructor.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 565
Credit Weight: 2
Transcript Title: String Quartet Seminar
Calendar Title: String Quartet Seminar.
Description:
An overview of the history of the string quartet genre and literature for this formation. Basic principles of string ensemble playing, intonation, matching sound production, cueing, etc., will be addressed. Regular performances in a masterclass setting. Participation in an orchestra program as assigned when warranted by ensemble needs.

Notes:
Prerequisite: Audition
Restrictions: Open to violin, viola and cello students in the BMus. / LMus. Performance program, and others by permission of the instructor.
1. Can be repeated once
2. Students majoring in violin, viola and cello must commence their assigned ensembles with two terms of MUEN 565 and two terms of MUEN 560 as assigned string quartets.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 567
Credit Weight: 1
Transcript Title: Beethoven Orchestra
Calendar Title: Beethoven Orchestra.
Description:
A reading orchestra that also functions as a conductor's workshop orchestra. Repertoire includes the complete Beethoven Symphonies.

Notes:
Prerequisite: Audition.
Note: Open to all students registered at McGill.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 568
Credit Weight: 1
Transcript Title: Multiple Ensemble 1
Calendar Title: Multiple Ensemble 1.
Description:
Special arrangement ensemble. Topic varies by year.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 569
Credit Weight: 1
Transcript Title: Tabla Ensemble
Calendar Title: Tabla Ensemble.
Description:
Performance and practice of the tabla of North India.

Notes:
Can be taken more than once.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 570
Credit Weight: 1
Transcript Title: Jazz Combo  
Calendar Title: Jazz Combo.  
Description: A Jazz Improvisation Ensemble of approximately 4 to 9 players.  
Notes: 1 hour  
Prerequisite: Audition.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 571  
Credit Weight: 0.5  
Transcript Title: Jazz Combo Project  
Calendar Title: Jazz Combo Project.  
Description: A Jazz Improvisation Ensemble of approximately 4 to 9 players.  
Notes: Audition required  
Restriction: Open to students in Faculty Jazz and jazz concentration programs, excluding Jazz Performance students.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 572  
Credit Weight: 2  
Transcript Title: Cappella Antica  
Calendar Title: Cappella Antica.  
Description: An ensemble of 8 to 12 voices specializing in early music. N.B. This ensemble may substitute as a Basic Ensemble in programs that specify Choral Ensemble, with Departmental approval.  
Notes: 4 hours  
Prerequisite: Audition.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 573  
Credit Weight: 2  
Transcript Title: Baroque Orchestra  
Calendar Title: Baroque Orchestra.  
Description: Open to singers and instrumentalists, this ensemble specializes in chamber music primarily of the Baroque era.  
Notes: 4 hours  
Prerequisites: Audition  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 574  
Credit Weight: 1
Transcript Title: Afro-Cuban/Brazilian Jazz Combo
Calendar Title: Afro-Cuban/Brazilian Jazz Combo.
Description:
This course covers Afro-Cuban and Brazilian folk music and the jazz-related music that has come directly from it. Much of the work is based on the rhythmic patterns and grooves from these countries.
Notes:
Prerequisite: Audition
Restriction: Available to students in B.Mus. Major Performance Jazz, L.Mus. Major Performance Jazz, M.Mus. Jazz Performance and Graduate Diploma in Performance only
Can be taken for a maximum of two semesters.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 578
Credit Weight: 1
Transcript Title: Song Interpretation 1
Calendar Title: Song Interpretation 1.
Description:
Normally open only to Voice and Piano Performance students. Study of the standard song repertoire with emphasis on the singer and pianist as partners. A public recital will be given at the end of each term.
Notes:
2 hours
Prerequisite: Audition.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 579
Credit Weight: 1
Transcript Title: Song Interpretation 2
Calendar Title: Song Interpretation 2.
Description:
Study of song repertoire for singers and pianists.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 580
Credit Weight: 1
Transcript Title: Early Music Ensemble
Calendar Title: Early Music Ensemble.
Description:
An ensemble of 4-6 vocalists and instrumentalists which performs music of the Medieval, Renaissance and Baroque periods.
Notes:
Prerequisite: Audition. Prerequisite or corequisite for keyboard players: MUPG 272.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 581
Credit Weight: 1
Transcript Title: Intro to Ens Play for Pianists
Calendar Title: Introduction to Ensemble Playing for Pianists.
Description:
Concentration on interpretation and performance of piano duet and two piano repertoire.
Notes:
1 hour
Restrictions: Open to students in the B. Mus.; Major in Performance Piano and the L. Mus.; Major in Performance Piano.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 582
Credit Weight: 1
Transcript Title: Piano Ensembles
Calendar Title: Piano Ensembles.
Description:
Ensemble playing in two-piano and piano 4-hand repertoire.
Notes:
Prerequisite: MUEN 581 or permission of the instructor.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 584
Credit Weight: 1
Transcript Title: Studio Accompanying
Calendar Title: Studio Accompanying.
Description:
Highly qualified collaborative partners will be assigned to work independently with studio teachers and their students.
Notes:
4 hours
Prerequisite: Audition.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 585
Credit Weight: 1
Transcript Title: Sonata Masterclass
Calendar Title: Sonata Masterclass.
Description:
Exploration of the vast literature for sonatas with piano and instrument, including multiple issues of ensemble preparation and performing.
Notes:
Prerequisite: Audition or permission of the instructor.
Restriction: Limited to 4 advanced pianists and 4 instrumentalists.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 586
Credit Weight: 1
Transcript Title: Opera Coaching
Calendar Title: Opera Coaching.
Description: Supervised playing of Opera McGill scenes and productions; repetiteur and rehearsal pianist responsibilities; playing of performance of operatic scenes.
Notes:
3-6 hours
Prerequisite: open to advanced pianists by audition and with the approval of Director of Opera Studies; may be repeated for credit
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 587
Credit Weight: 2
Transcript Title: Cappella McGill
Calendar Title: Cappella McGill.
Description: An ensemble of 16 voices performing challenging repertoire from the Renaissance to the present day. Since the expectation is a level of performance equivalent to a professional chamber ensemble, singers wishing to join this group should have had considerable ensemble experience, and advanced vocal and sight-reading skills.
Notes:
4 hours
Prerequisite: Audition.
Note: May be taken instead of Choral Ensemble.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 588
Credit Weight: 1
Transcript Title: Multiple Ensemble 2
Calendar Title: Multiple Ensemble 2.
Description: Special arrangement ensemble. Topic varies by year.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 589
Credit Weight: 1
Transcript Title: Woodwind Ensembles
Calendar Title: Woodwind Ensembles.
Description: Ensemble for woodwind instruments.
Notes:
Prerequisite: Audition
Restriction(s): For Music students; open to others by permission of the Department.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 590
Credit Weight: 2
Transcript Title: McGill Wind Orchestra  
Calendar Title: McGill Wind Orchestra.  
Description:  
Large ensemble for wind instruments.  
Notes:  
4-6 hours  
Prerequisite: Audition  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 591  
Credit Weight: 1  
Transcript Title: Brass Consort  
Calendar Title: Brass Consort.  
Description:  
Ensemble for brass instruments.  
Notes:  
Prerequisite: Audition.  
Restriction(s): For Music students; open to others by permission of the Department.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 592  
Credit Weight: 2  
Transcript Title: Chamber Jazz Ensemble  
Calendar Title: Chamber Jazz Ensemble.  
Description:  
This ensemble will deal with the extensive repertoire of music which exists for small jazz orchestra (9-13 instruments).  
Notes:  
Restriction: Open to Jazz Performance students only.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUEN 593  
Credit Weight: 2  
Transcript Title: Choral Ensembles  
Calendar Title: Choral Ensembles.  
Description:  
Students enrolling in Choral Ensembles will be assigned to one of the above groups.  
Notes:  
4 hours  
Prerequisite: Audition.  
Section 001 Chamber Singers: a group of approximately 24 mixed voices which explores the a cappella repertoire of all periods as well as works with chamber accompaniment.  
Section 002 Concert Choir: an ensemble of approximately 60 voices (S.A.T.B.) which performs the repertoire from all periods appropriate to a group of this size.  
Section 003 University Chorus: a mixed chorus of approximately 100 which performs a variety of choral material including both traditional and popular selections.
Section 004 Women's Chorale: an ensemble of approximately 40 women stressing the fundamentals of singing and ensemble participation.

**Administering Faculty**: Schulich School of Music  
**Teaching Department**: Performance  
**Status (catalog level)**: Active

**MUEN 594**  
**Credit Weight**: 2  
**Transcript Title**: Contemporary Music Ensemble  
**Calendar Title**: Contemporary Music Ensemble.  
**Description**: Ensemble for contemporary music - instruments and voice.  
**Notes**:  
4 hours  
Prerequisite: Audition.  
**Administering Faculty**: Schulich School of Music  
**Teaching Department**: Performance  
**Status (catalog level)**: Active

**MUEN 595**  
**Credit Weight**: 2  
**Transcript Title**: Jazz Ensembles  
**Calendar Title**: Jazz Ensembles.  
**Description**: Ensemble for jazz - instruments and voice.  
**Notes**:  
3-4 hours  
Prerequisite: Audition.  
**Administering Faculty**: Schulich School of Music  
**Teaching Department**: Performance  
**Status (catalog level)**: Active

**MUEN 596**  
**Credit Weight**: 2  
**Transcript Title**: Opera Repetiteur  
**Calendar Title**: Opera Repetiteur.  
**Description**: Supervised coaching of singers, and playing of scenes and productions; rehearsal pianists and backstage conducting responsibilities.  
**Notes**:  
6 hours  
Restriction: Open by audition to advanced pianists, and to students in conducting, who are interested in training as operatic coaches. Students enrolled for piano instruction at McGill must also have their practical teacher's approval  
**Administering Faculty**: Schulich School of Music  
**Teaching Department**: Performance  
**Status (catalog level)**: Active

**MUEN 597**  
**Credit Weight**: 2  
**Transcript Title**: McGill Symphony Orchestra  
**Calendar Title**: McGill Symphony Orchestra.  
**Description**: Ensemble for orchestral instruments.  
**Notes**:  
6 - 7 hours
Prerequisite: Audition.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 598
Credit Weight: 1
Transcript Title: Percussion Ensembles
Calendar Title: Percussion Ensembles.
Description: Ensemble for percussion instruments.
Notes: Prerequisite(s): Audition.
Restriction(s): For Music students; open to others by permission of the Department.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 599
Credit Weight: 1
Transcript Title: Jazz Studio Orchestra
Calendar Title: Jazz Studio Orchestra.
Description: Augmented big band orchestra to include strings, clarinets, and other winds and brass as appropriate to the repertoire.
Notes: Audition; Instrumentation restrictions vary from year to year on basis of needs of repertoire.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUEN 654
Credit Weight: 1
Transcript Title: Opera Repertoire Experience
Calendar Title: Opera Repertoire Experience.
Description: Acting Methods, Aria as Monologue, theatrical movement, and script/score analysis. Productions singing roles, covering roles, and/or singing in the ensemble. Culminates in a Scenes Program that includes repertoire from the last 400 years of opera, operetta, Singspiel, opéra comique, musical theatre, and 21st century works.
Notes: Prerequisite: Audition
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUEN 684
Credit Weight: 2
Transcript Title: Studio Accompanying
Calendar Title: Studio Accompanying.
Description: Students will be assigned to work as accompanists with performance teachers and their students.
Notes:
Prerequisite: Audition; 2 hours
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUEN 688
Credit Weight: 2
Transcript Title: Multiple Ensembles
Calendar Title: Multiple Ensembles.
Description:
Student participation in more than one ensemble in different concert periods over the course of a term.
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUEN 696
Credit Weight: 1
Transcript Title: Opera Theatre
Calendar Title: Opera Theatre.
Description:
Individual coaching in acting, movement and role preparation; possibility for roles in Opera McGill productions (by audition).
Notes:
3 - 6 hours
Prerequisite: audition
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MUGS 605
Credit Weight: 0
Transcript Title: Graduate Perf. Colloquium
Calendar Title: Graduate Performance Colloquium.
Description:
Participation in three professional development workshops or research colloquium approved by the department on topics such as performance pedagogy, academic teaching, music production, copyright, business, grantsmanship, etc. Students participate in each semester of residency until requirements have been met.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUGS 614
Credit Weight: 3
Transcript Title: Reading Course 1
Calendar Title: Reading Course 1.
Description:
Independent study of an approved topic or topics under the guidance of a supervisor. Topics will be chosen to suit individual needs and interests. The extent of reading, synthesis, and reporting will be agreed upon by the supervisor and the student at the beginning of the course.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 615
Credit Weight: 3
Transcript Title: Reading Course 2
Calendar Title: Reading Course 2.
Description:
Independent study of an approved topic or topics under the guidance of a supervisor. Topics will be chosen to suit individual needs and interests. The extent of reading, synthesis, and reporting will be agreed upon by the supervisor and the student at the beginning of the course.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 635
Credit Weight: 9
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
The writing of the first research paper.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 635D1
Credit Weight: 4.5
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
The writing of the first research paper.
Notes:
Students must register for both MUGS 635D1 and MUGS 635D2
No credit will be given for this course unless both MUGS 635D1 and MUGS 635D2 are successfully completed in consecutive terms.

MUGS 635D1 and MUGS 635D2 together are equivalent to MUGS 635.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUGS 635D2**

**Credit Weight:** 4.5

**Transcript Title:** Research Paper 1

**Calendar Title:** Research Paper 1.

**Description:**
The writing of the first research paper.

**Notes:**
Prerequisite: MUGS 635D1

No credit will be given for this course unless both MUGS 635D1 and MUGS 635D2 are successfully completed in consecutive terms.

MUGS 635D1 and MUGS 635D2 together are equivalent to MUGS 635.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUGS 636**

**Credit Weight:** 9

**Transcript Title:** Research Paper 2

**Calendar Title:** Research Paper 2.

**Description:**
The writing of the second research paper.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUGS 636D1**

**Credit Weight:** 4.5

**Transcript Title:** Research Paper 2

**Calendar Title:** Research Paper 2.

**Description:**
The writing of the second research paper.

**Notes:**
Students must register for both MUGS 636D1 and MUGS 636D2

No credit will be given for this course unless both MUGS 636D1 and MUGS 636D2 are successfully completed in consecutive terms.

MUGS 636D1 and MUGS 636D2 together are equivalent to MUGS 636.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUGS 636D2**

**Credit Weight:** 4.5

**Transcript Title:** Research Paper 2

**Calendar Title:** Research Paper 2.

**Description:**
The writing of the second research paper.

**Notes:**
Prerequisite: MUGS 636D1

No credit will be given for this course unless both MUGS 636D1 and MUGS 636D2 are...
MUGS 636
Credit Weight: 3
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Requires Departmental approval
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 636D1
Credit Weight: 1.5
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Students must register for both MUGS 636D1 and MUGS 636D2
No credit will be given for this course unless both MUGS 636D1 and MUGS 636D2 are successfully completed in consecutive terms
MUGS 636D1 and MUGS 636D2 together are equivalent to MUGS 636
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 636D2
Credit Weight: 1.5
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Prerequisite: MUGS 636D1
No credit will be given for this course unless both MUGS 636D1 and MUGS 636D2 are successfully completed in consecutive terms
MUGS 636D1 and MUGS 636D2 together are equivalent to MUGS 636
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 675
Credit Weight: 3
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Requires Departmental approval
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 675D1
Credit Weight: 1.5
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Students must register for both MUGS 675D1 and MUGS 675D2
No credit will be given for this course unless both MUGS 675D1 and MUGS 675D2 are successfully completed in consecutive terms
MUGS 675D1 and MUGS 675D2 together are equivalent to MUGS 675
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 675D2
Credit Weight: 1.5
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Prerequisite: MUGS 675D1
No credit will be given for this course unless both MUGS 675D1 and MUGS 675D2 are successfully completed in consecutive terms
MUGS 675D1 and MUGS 675D2 together are equivalent to MUGS 675
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 683
Credit Weight: 3
Transcript Title: Master's Thesis Research 1
Calendar Title: Master's Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 684
Credit Weight: 6
Transcript Title: Master's Thesis Research 2
Calendar Title: Master's Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor.

MUGS 685
Credit Weight: 9
Transcript Title: Master's Thesis Research 3
Calendar Title: Master's Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor.

MUGS 686
Credit Weight: 12
Transcript Title: Master's Thesis Research 4
Calendar Title: Master's Thesis Research 4.
Description: Independent research work under the direction of the Thesis Supervisor.

MUGS 687
Credit Weight: 12
Transcript Title: Master's Thesis
Calendar Title: Master's Thesis.
Description: Written presentation of thesis proposal.

MUGS 694
Credit Weight: 3
Transcript Title: Special Topic Seminar
Calendar Title: Special Topic Seminar.
Description: Seminar in a special topic. Topic varies by year.
Notes: 3 hours
MUGS 695
Credit Weight: 3
Transcript Title: Special Topic Seminar
Calendar Title: Special Topic Seminar.
Description: Seminar in a special topic. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 701
Credit Weight: 0
Transcript Title: Comprehensive Examinations
Calendar Title: Comprehensive Examinations.
Description: Examinations that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: 
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 701D1
Credit Weight: 0
Transcript Title: Comprehensive Examinations
Calendar Title: Comprehensive Examinations.
Description: Examinations that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Students must register for both MUGS 701D1 and MUGS 701D2
No credit will be given for this course unless both MUGS 701D1 and MUGS 701D2 are successfully completed in consecutive terms
MUGS 701D1 and MUGS 701D2 together are equivalent to MUGS 701
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 701D2
Credit Weight: 0
Transcript Title: Comprehensive Examinations
Calendar Title: Comprehensive Examinations.
Description: See MUGS 701D1 for course description.
Notes: Prerequisite: MUGS 701D1
No credit will be given for this course unless both MUGS 701D1 and MUGS 701D2 are successfully completed in consecutive terms
MUGS 701D1 and MUGS 701D2 together are equivalent to MUGS 701
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active
MUGS 702
Credit Weight: 0
Transcript Title: Comprehensive Exam Part 2
Calendar Title: Comprehensive Examination Part 2.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 702D1
Credit Weight: 0
Transcript Title: Comprehensive Exam Part 2
Calendar Title: Comprehensive Examination Part 2.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Students must register for both MUGS 702D1 and MUGS 702D2
No credit will be given for this course unless both MUGS 702D1 and MUGS 702D2 are successfully completed in consecutive terms
MUGS 702D1 and MUGS 702D2 together are equivalent to MUGS 702
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 702D2
Credit Weight: 0
Transcript Title: Comprehensive Exam Part 2
Calendar Title: Comprehensive Examination Part 2.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Prerequisite: MUGS 702D1
No credit will be given for this course unless both MUGS 702D1 and MUGS 702D2 are successfully completed in consecutive terms
MUGS 702D1 and MUGS 702D2 together are equivalent to MUGS 702
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 705
Credit Weight: 0
Transcript Title: Colloquium
Calendar Title: Colloquium.
Description:
Directed reading, seminar and discussion in various subjects of current interest in music research.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active
MUGS 705D1
Credit Weight: 0
Transcript Title: Colloquium
Calendar Title: Colloquium.
Description:
Directed reading, seminar and discussion in various subjects of current interest in music research.
Notes:
Students must register for both MUGS 705D1 and MUGS 705D2
No credit will be given for this course unless both MUGS 705D1 and MUGS 705D2 are successfully completed in consecutive terms
MUGS 705D1 and MUGS 705D2 together are equivalent to MUGS 705
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 705D2
Credit Weight: 0
Transcript Title: Colloquium
Calendar Title: Colloquium.
Description:
Directed reading, seminar and discussion in various subjects of current interest in music research.
Notes:
Prerequisite: MUGS 705D1
No credit will be given for this course unless both MUGS 705D1 and MUGS 705D2 are successfully completed in consecutive terms
MUGS 705D1 and MUGS 705D2 together are equivalent to MUGS 705
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGS 711
Credit Weight: 0
Transcript Title: Perf. Doctoral Colloquium 1
Calendar Title: Performance Doctoral Colloquium 1.
Description:
The colloquium nurtures a collaborative environment for the students to share and critique artistic practices and recent developments in their disciplines. The main focus for the Performance Colloquium is to work on, develop and formulate the framework of the student's final project.
Notes:
Restrictions: Course restricted to D.Mus.; Performance Studies students only.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUGS 712
Credit Weight: 0
Transcript Title: Perf. Doctoral Colloquium 2
Calendar Title: Performance Doctoral Colloquium 2.
Description:
The colloquium nurtures a collaborative environment for the students to share and critique artistic practices and recent developments in their disciplines. The main focus for the Perf. Colloquium 2 is to finalize the comprehensive examination
bibliographies and to prepare for the examination.

**Notes:**
Prerequisite: MUGS 711
Restrictions: Course restricted to D.Mus.; Performance Studies students only.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active
MUGT 205
Credit Weight: 3
Transcript Title: Psychology of Music
Calendar Title: Psychology of Music.
Description: A study of the psychology of music.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 215
Credit Weight: 1
Transcript Title: Basic Conducting Techniques
Calendar Title: Basic Conducting Techniques.
Description: Development of basic manual dexterity and rehearsal skills. Topics include:
preparatory posture, establishing tempo, releases, simple duple and triple metre
beat patterns, cueing, dynamics, fermata, transposition, terminology, score
preparation, and listening.
Symbols: LIMT - Limited enrolment
Notes: 1 hour
Prerequisites: MUTH 110, MUTH 111, MUSP 129; or MUTH 150, MUSP 140
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 305
Credit Weight: 3
Transcript Title: Introduction to Music Therapy
Calendar Title: Introduction to Music Therapy.
Description: Introduction to basic principles and techniques of music therapy. Topics will
include: definitions of music therapy; identifying and developing an understanding
of the individual's special needs; simple social, emotional, and physiological
therapeutic applications; and music as a motivational tool. Will include limited
field observation.
Symbols: LIMT - Limited enrolment
Notes: 3 hours
Prerequisites: MUTH 210 and MUSP 229; or MUTH 150, MUSP 140
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 354
Credit Weight: 3
Transcript Title: Music for Children
Calendar Title: Music for Children.
Description: Using child centered approaches such as Orff, Kodaly and Dalcroze, students will
explore techniques and philosophies for cultivating musical understanding in
children aged 6-12. Research related to musical development and the fostering of
creativity will also be investigated. A field experience and curriculum
organization component is included.
Notes: Restriction(s): Not open to students who have taken or are taking MUGT 356 or
MUGT 357
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 355
Credit Weight: 3
Transcript Title: Music in Early Childhood
Calendar Title: Music in Early Childhood.
Description: Organized as a laboratory, this course will explore the musical growth and development of children from birth to age six, with topics including heredity and environment, music skills and concept development, affective development, creativity, and musical activities.
Notes: 3 hours
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 358
Credit Weight: 3
Transcript Title: Gen Music for Adults & Teenagers
Calendar Title: General Music for Adults and Teenagers.
Description: General music approaches and teaching techniques for teens and adults.
Notes: Prerequisite: MUTH 210 and MUSP 131; or MUTH 151 and MUSP 141
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 401
Credit Weight: 3
Transcript Title: Issues in Music Education
Calendar Title: Issues in Music Education.
Description: Issues in music education. Topic varies by year.
Notes: Prerequisites: MUSP 141 and MUTH 250
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUGT 475
Credit Weight: 3
Transcript Title: Special Project
Calendar Title: Special Project.
Description: A student may engage in an individual research project with the approval of the Departmental Chair and under appropriate supervision.
Notes: Restrictions (s): Departmental approval required
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active
MUGT 610
Credit Weight: 3
Transcript Title: Seminar-Music Education 1
Calendar Title: Seminar - Music Education 1.
Description: Seminar in music education. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGT 611
Credit Weight: 3
Transcript Title: Seminar-Music Education 2
Calendar Title: Seminar - Music Education 2.
Description: Seminar in music education. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGT 612
Credit Weight: 3
Transcript Title: Seminar-Music Education 3
Calendar Title: Seminar - Music Education 3.
Description: Seminar in music education. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUGT 613
Credit Weight: 3
Transcript Title: Seminar-Music Education 4
Calendar Title: Seminar - Music Education 4.
Description: Seminar in music education. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active
MUHL 186
Credit Weight: 3
Transcript Title: Western Musical Traditions
Calendar Title: Western Musical Traditions.
Description:
A survey of Western music from the Middle Ages to the present. Emphasis on key musical concepts and genres in their historical context and aural recognition of style.
Notes:
3 hours
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 286
Credit Weight: 3
Transcript Title: Critical Thinking About Music
Calendar Title: Critical Thinking About Music.
Description:
Examination of various periods and styles: e.g., central works from different traditions, the interaction of music and society, performance practice, and music's relation to other arts.
Notes:
Prerequisite: MUHL 186 or MUJZ 187
Restriction: Not open to students who have taken MUTH 301
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 314
Credit Weight: 3
Transcript Title: Women in Music: A Cr-Cult Persp
Calendar Title: Women in Music: A Cross-Cultural Perspective.
Description:
A cross-cultural exploration of women's musical achievements in various historical periods. Develops understanding of both music and the social, political, and cultural forces shaping it. Music includes: sacred, love songs, opera, contemporary instrumental composition, and improvised genres with study organized around topics like authorship, genius/virtuosity, voice, body, power and technology.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 330
Credit Weight: 3
Transcript Title: Music and Film
Calendar Title: Music and Film.
Description:
The modern genre of music for films, and its changing styles (symphonic, jazz, pop compilation) from the silent era to today. Includes study of major film composers in North America and other traditions; analysis of the role of music in cinematic narrative, expression and symbolism.
Notes:
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214.

Administrating Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 362
Credit Weight: 3
Transcript Title: Popular Music
Calendar Title: Popular Music.
Description:
History, criticism, and analysis of twentieth-century repertoires of popular musics. Detailed examination of special topics. These include genre and style in 1970s rock and soul, history of the Broadway musical, approaches to the transcription of pop music, and/or constructions of race and gender in music video.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Administrating Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 375
Credit Weight: 3
Transcript Title: Intro to Ethnomusicology
Calendar Title: Introduction to Ethnomusicology.
Description:
Central themes and methods in contemporary ethnomusicology. Music and its meanings in several contrasting cultural regions and groups. Topics include: colonialism, politics, globalization, and the impact of technology. Techniques of transcription, ethnography, and fieldwork.
Notes:
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Administrating Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 377
Credit Weight: 3
Transcript Title: Baroque Opera
Calendar Title: Baroque Opera.
Description:
History of opera from its origins in the musical, literary, and philosophical models available to the Florentine Camerata to the end of the baroque. The development of opera will be studied from the perspective of artistic style and in the light of historical, political, social, and economic conditions.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Administrating Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 380
Credit Weight: 3
Transcript Title: Medieval Music
Calendar Title: Medieval Music.
Description: The medieval style - an intensive study of one or more selected topics from the repertoire. Possible subjects include liturgical chant, Notre Dame, the medieval motet, secular developments, and instrumental literature.
Notes: 3 hours
Normally alternates with MUHL 381
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 381
Credit Weight: 3
Transcript Title: Renaissance Music
Calendar Title: Renaissance Music.
Description: Sacred and secular musical genres of the 15th and 16th Centuries. Various phases of imitative practice, cantus firmus and parody techniques. The emergence of homophonic textures in peripheral areas of the repertoire. Selected problems in the fields of theory, bibliography and aesthetics.
Notes: 3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241 AND MUSP 241 or MUJZ 214
Normally alternates with MUHL 380
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 382
Credit Weight: 3
Transcript Title: Baroque Music
Calendar Title: Baroque Music.
Description: A detailed examination of several selected areas of Baroque music. Topics will be drawn from different geographical regions (e.g., Italy, France, Germany, etc.) and encompass church, chamber and theatre music, as well as performance practice. Each topic will be related to general musical developments of the period.
Notes: 3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241 AND MUSP 241 or MUJZ 214
Normally offered in alternate years
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 383
Credit Weight: 3
Transcript Title: Classical Music
Calendar Title: Classical Music.
Description:
The period covered will be from approximately 1740-1828, from the schools of the Italian keyboard composers, opera buffa and seria, and composers centred at Mannheim, Paris, London, Berlin and Vienna, through the Viennese Classic period of Haydn, Mozart and Beethoven, to the death of Schubert.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Normally offered in alternate years
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 384
Credit Weight: 3
Transcript Title: Romantic Music
Calendar Title: Romantic Music.
Description:
The Romantic style as traced by an analysis of works by the major composers of Lied, symphony, symphonic poem, chamber music, and opera.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Normally offered in alternate years
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 385
Credit Weight: 3
Transcript Title: Early Twentieth-Century Music
Calendar Title: Early Twentieth-Century Music.
Description:
Development of European, Russian, and American music from the 1890s until the early 1940s, tracing its roots in late 19th-century Romanticism and following its evolution in central Europe, France, and the United States. The music of major innovators such as Debussy, Stravinsky, Schoenberg, Ives, and Varèse will be discussed.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 387
Credit Weight: 3
Transcript Title: Opera from Mozart to Puccini
Calendar Title: Opera from Mozart to Puccini.
Description:

Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

MUHL 388
Credit Weight: 3
Transcript Title: Opera After 1900
Calendar Title: Opera After 1900.
Description: Major early twentieth-century works by Debussy, Strauss, Schreker, Bartók, Stravinsky and Schoenberg. Opera in Europe between the Wars including operas of Berg, Milhaud, Krenek, Hindemith and Weill. Politics, sociology, and literature in relationship to musical style. Approaches since 1945 in selected works by Britten, Henze, Zimmermann, Ligeti, Somers and Glass.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

MUHL 389
Credit Weight: 3
Transcript Title: Orchestral Literature
Calendar Title: Orchestral Literature.
Description: Study of the literature for orchestra alone, composed since the early 18th Century. The material will be divided as follows: 1) orchestral music to the time of Beethoven; 2) orchestral music from 1800 to 1860; 3) orchestral music from 1860 to 1900; 4) orchestral music of the 20th Century.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

MUHL 390
Credit Weight: 3
Transcript Title: The German Lied
Calendar Title: The German Lied.
Description: Survey of the German Lied from the late eighteenth to the early twentieth century, focusing on songs and song cycles by Schubert, Schumann, Brahms, Wolf, Mahler, Schoenberg, Berg, and Webern. Topics include text, musical form and text-music
relationships, melodic style and harmonic organization, accompaniment, and performance practice.

**Notes:**
3 hours

**Prerequisites:** MUHL 286

**Corequisites:** MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUHL 391**

**Credit Weight:** 3

**Transcript Title:** Canadian Music

**Calendar Title:** Canadian Music.

**Description:**
Survey of music in Canada from the 16th Century to the present. Current musical organizations and institutions, and contemporary Canadian music will be stressed. Time permitting, brief reference will be made to the folk music of indigenous and immigrant groups.

**Notes:**
3 hour

**Prerequisites:** MUHL 286

**Corequisites:** MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUHL 392**

**Credit Weight:** 3

**Transcript Title:** Music since 1945

**Calendar Title:** Music since 1945.

**Description:**
Appearance and evolution of such post-war phenomena as total serialism, "chance" music of various kinds, and electronic music as seen in major figures such as Boulez, Stockhausen, Cage and others in Europe and the United States. Important developments during the 1960s. Rise of "minimalism" and "neo-Romanticism" during the 1970s and 80s.

**Notes:**
3 hours

**Prerequisites:** MUHL 286

**Corequisites:** MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUHL 393**

**Credit Weight:** 3

**Transcript Title:** History of Jazz

**Calendar Title:** History of Jazz.

**Description:**
A study of the history and development of jazz through listening, reading, video viewing, lectures and discussion. The central goals will be to learn how to hear jazz critically and to understand the values, meanings, and sensibilities of jazz as a social practice.

**Notes:**
3 hours

**Prerequisites:** MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

Administering Faculty: Schulich School of Music

Teaching Department: Music Research

Status (catalog level): Active

MUHL 395

Credit Weight: 3

Transcript Title: Keyboard Lit before 1750

Calendar Title: Keyboard Literature before 1750.

Description:
The solo repertoire for organ, harpsichord, and clavichord from 1400 to 1750: intabulation, cantus firmus treatment, indigenous keyboard genres, German organ literature, French harpsichord repertoire.

Notes:
3 hours

Prerequisites: MUHL 286

Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

Administering Faculty: Schulich School of Music

Teaching Department: Music Research

Status (catalog level): Active

MUHL 396

Credit Weight: 3

Transcript Title: Era of the Modern Piano

Calendar Title: Era of the Modern Piano.

Description:
Survey of keyboard repertoire from 1850 to the present: instruments, the crisis at mid-century, character pieces, Brahms, late Liszt, national schools, commercialization - the concert hall, music for the bourgeois - salon music, Scriabin, the Second Viennese School, Impressionism, Neo-Classicism, Neo-Romanticism, serialism, the sonata in the 20th-century, North American composers.

Notes:
3 hours

Prerequisites: MUHL 286

Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214

Administering Faculty: Schulich School of Music

Teaching Department: Music Research

Status (catalog level): Active

MUHL 475

Credit Weight: 3

Transcript Title: Special Project

Calendar Title: Special Project.

Description:
For details contact the Department of Theory.

Notes:
Prerequisites: MUHL 184 and MUHL 185 and MUTH 211 OR MUCO 240D1/D2 and MUSP 231 OR MUHL 286 and MUTH 250 and MUSP 241

Administering Faculty: Schulich School of Music

Teaching Department: Music Research

Status (catalog level): Active

MUHL 529

Credit Weight: 3

Transcript Title: Proseminar in Musicology
Calendar Title: Proseminar in Musicology.
Description:
Study of selected methodologies in musicology through critical examination of significant texts. Topics may include approaches to historiography, biography, editing and source studies, as well as aesthetics, literary criticism, semiotics, feminist musicology, and ideology critique. Works by Adler, Adorno, Dahlhaus, Kerman, McClary, Meyer, Nattiez, and Subotnik, among others, will be addressed.
Notes:
3 hours
Prerequisites: MUHL 286
Corequisite(s): MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Normally alternates with MUHL 591D1 and MUHL 591D2

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 590
Credit Weight: 3
Transcript Title: Topics: Christian Liturgy&Mus
Calendar Title: Topics in Christian Liturgy and Music.
Description:
Topics in the history and practice of liturgy and church music with attention to hymnody, principles of liturgical change, interrelation of music and liturgy, and interpretations of scripture and theologies within church music, with relation to particular periods and settings in the history of Christianity.
Notes:
Prerequisite: One 300-level MUHL course or RELG 322 or RELG 323 or permission of the instructor
Restriction: Not open to students who are taking or have taken RELG 582

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 591D1
Credit Weight: 1.5
Transcript Title: Paleography
Calendar Title: Paleography.
Description:
The theory and practice of musical transcription for the period 1100 to 1600. Black modal notation, Franconian notation, French and Italian Ars Nova notation, Mannerism, white mensural notation, proportions, and lute and keyboard tablatures will be studied.
Notes:
1.5 hours
Prerequisites: MUHL 286
Corequisites: MUTH 250 or MUCO 241, AND MUSP 241 or MUJZ 214
Normally alternates with MUHL 529
Students must register for both MUHL 591D1 and MUHL 591D2
No credit will be given for this course unless both MUHL 591D1 and MUHL 591D2 are successfully completed in consecutive terms

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 591D2
Credit Weight: 1.5
Transcript Title: Paleography
Calendar Title: Paleography.
Description:
See MUHL 591D1 for course description.
Notes:
Prerequisite: MUHL 591D1
No credit will be given for this course unless both MUHL 591D1 and MUHL 591D2 are successfully completed in consecutive terms
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 592
Credit Weight: 3
Transcript Title: Popular Music Studies
Calendar Title: Popular Music Studies.
Description:
An overview of scholarly methods used in the study of popular music. Topics will include a broad range of issues related to music analysis, including technical-stylistic approaches as well as ideas about analytical pertinence, aesthetics, and semiotics. Introduction to approaches associated with the sociology of music, sound studies, media studies, gender and critical race studies. These topics will be explored through a range of readings, and the analysis of selected recordings.
Notes:
Prerequisite: MUHL 286 or equivalent
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUHL 680
Credit Weight: 3
Transcript Title: Seminar in Musicology 1
Calendar Title: Seminar in Musicology 1.
Description:
Seminar in musicology. Topic varies by year.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUHL 681
Credit Weight: 3
Transcript Title: Seminar in Musicology 2
Calendar Title: Seminar in Musicology 2.
Description:
Seminar in musicology. Topic varies by year.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUHL 682
Credit Weight: 3
Transcript Title: Seminar in Musicology 3
Calendar Title: Seminar in Musicology 3.
Description:
Seminar in musicology. Topic varies by year.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUHL 683
Credit Weight: 3
Transcript Title: Seminar in Musicology 4
Calendar Title: Seminar in Musicology 4.
Description:
Seminar in musicology. Topic varies by year.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUHL 684
Credit Weight: 3
Transcript Title: Seminar in Musicology 5
Calendar Title: Seminar in Musicology 5.
Description:
Seminar in musicology. Topic varies by year.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUHL 685
Credit Weight: 3
Transcript Title: Seminar in Musicology 6
Calendar Title: Seminar in Musicology 6.
Description:
Seminar in musicology. Topic varies by year.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active
MUIN 110
Credit Weight: 2
Transcript Title: Elective Practical Instruction 1
Calendar Title: Elective Practical Instruction 1.
Description:
Elective practical instruction in an instrument or voice.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 111
Credit Weight: 2
Transcript Title: Elective Practical Instruction 2
Calendar Title: Elective Practical Instruction 2.
Description:
Elective practical instruction in an instrument or voice.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 180
Credit Weight: 3
Transcript Title: BMus Practical Lessons 1
Calendar Title: BMus Practical Lessons 1.
Description:
Practical instruction on an instrument or voice.
Notes:
3 hours
Prerequisite: Admission to the B.Mus. program by audition.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 181
Credit Weight: 3
Transcript Title: BMus Practical Lessons 2
Calendar Title: BMus Practical Lessons 2.
Description:
Practical examination in clarinet techniques.
Notes:
Prerequisite: MUIN 180
Restriction: Open to students entering directly from High Schools outside Quebec.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 210
Credit Weight: 2
Transcript Title: Elective Practical Instruction 3
Calendar Title: Elective Practical Instruction 3.
Description:
Elective practical instruction in an instrument or voice.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 211
Credit Weight: 2
Transcript Title: Elective Practical Instruction 4
Calendar Title: Elective Practical Instruction 4.
Description:
Elective practical instruction in an instrument or voice.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 222
Credit Weight: 0
Transcript Title: Concentration 1 Examination
Calendar Title: Concentration 1 Examination.
Description:
Assessment of student progress.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 232
Credit Weight: 0
Transcript Title: Performance 1 Examination
Calendar Title: Performance 1 Examination.
Description:
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 250
Credit Weight: 6
Transcript Title: LMus Practical Instruction 1
Calendar Title: L.Mus. Practical Instruction 1.
Description:
Practical instruction in an instrument or voice.
Notes:
Prerequisite: Admission to the L.Mus. program by audition
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 251
Credit Weight: 6
Transcript Title: L.Mus. Practical Instruction 2
Calendar Title: L.Mus. Practical Instruction 2.
Description:
Practical instruction in an instrument or voice.
Notes:
Prerequisite: MUIN 250
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active
MUIN 252
Credit Weight: 4
Transcript Title: L.Mus. Performance 1 Exam
Calendar Title: L.Mus. Performance 1 Examination.
Description:
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 269
Credit Weight: 1
Transcript Title: Classical Concerto Exam
Calendar Title: Classical Concerto Exam.
Description:
Performance by memory before jury of a concerto from the Classical period.
Notes:
1 hour
Prerequisite: MUIN 232
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 270
Credit Weight: 3
Transcript Title: Practical Lessons Perf Minor 1
Calendar Title: Practical Lessons Performance Minor 1.
Description:
Practical instruction as part of a performance minor program.
Notes:
Prerequisite: Admission to the relevant performance minor program by audition
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 271
Credit Weight: 3
Transcript Title: Practical Lessons Perf Minor 2
Calendar Title: Practical Lessons Performance Minor 2.
Description:
Practical instruction as part of a performance minor program.
Notes:
Prerequisite: MUIN 270
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 272
Credit Weight: 0
Transcript Title: Performance Minor Exam 1
Calendar Title: Performance Minor Examination 1.
Description:
Assessment of student's progress in the practical area.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 273
Credit Weight: 1.5
Transcript Title: Practical Lessons Perf Minor 3
Calendar Title: Practical Lessons Performance Minor 3.
Description: Practical instruction as part of a performance minor program.
Notes: Prerequisite: Admission to the relevant performance minor program by audition or MUIN 270.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 274
Credit Weight: 1.5
Transcript Title: Practical Lessons Perf Minor 4
Calendar Title: Practical Lessons Performance Minor 4.
Description: Practical instruction as part of a performance minor program.
Notes: Prerequisite: MUIN 273
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 275
Credit Weight: 1.5
Transcript Title: Practical Lessons Perf Minor 5
Calendar Title: Practical Lessons Performance Minor 5.
Description: Practical instruction as part of a performance minor program.
Notes: Prerequisite: MUIN 274
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 276
Credit Weight: 1.5
Transcript Title: Practical Lessons Perf Minor 6
Calendar Title: Practical Lessons Performance Minor 6.
Description: Practical instruction as part of a performance minor program.
Notes: Prerequisite: MUIN 275
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 280
Credit Weight: 2.5
Transcript Title: BMus Practical Lessons 3  
Calendar Title: BMus Practical Lessons 3.  
Description: Practical instruction on an instrument or voice.  
Notes: Prerequisite(s): MUIN 181.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUIN 281  
Credit Weight: 2.5  
Transcript Title: BMus Practical Lessons 4  
Calendar Title: BMus Practical Lessons 4.  
Description: Practical instruction on an instrument or voice.  
Notes: Prerequisite: MUIN 280  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUIN 282  
Credit Weight: 1  
Transcript Title: BMus Performance Exam 1  
Calendar Title: BMus Performance Examination 1.  
Description: Assessment of student's progress in the practical area.  
Notes: Exam details are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUIN 283  
Credit Weight: 1  
Transcript Title: BMus Concentration Final Exam  
Calendar Title: BMus Concentration Final Examination.  
Description: Assessment of student's progress in the practical area.  
Notes: Exam details are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUIN 300  
Credit Weight: 2  
Transcript Title: Voice Coaching 1  
Calendar Title: Voice Coaching 1.  
Description: Individual coaching on repertoire.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance
Status (catalog level): Active

MUIN 301
Credit Weight: 2
Transcript Title: Voice Coaching 2
Calendar Title: Voice Coaching 2.
Description: Individual coaching on repertoire.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 302
Credit Weight: 1.5
Transcript Title: Early Music Minor Rep Coach 1
Calendar Title: Early Music Minor Repertoire Coaching 1.
Description: Coaching sessions on early music repertoire.
Notes: Prerequisite: Admission to the Early Music Minor by audition
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 303
Credit Weight: 1.5
Transcript Title: Early Music Minor Rep Coach 2
Calendar Title: Early Music Minor Repertoire Coaching 2.
Description: Coaching sessions on early music repertoire.
Notes: Prerequisite: MUIN 302
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 304
Credit Weight: 1.5
Transcript Title: Early Music Minor Rep Coach 3
Calendar Title: Early Music Minor Repertoire Coaching 3.
Description: Coaching sessions on early music repertoire.
Notes: Prerequisite: MUIN 303
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 305
Credit Weight: 1.5
Transcript Title: Early Music Minor Rep Coach 4
Calendar Title: Early Music Minor Repertoire Coaching 4.
Description: Coaching sessions on early music repertoire.
Notes: Prerequisite: MUIN 304
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 322
Credit Weight: 0
Transcript Title: Concentration 2 Examination
Calendar Title: Concentration 2 Examination.
Description: 
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.

MUIN 332
Credit Weight: 0
Transcript Title: Performance 2 Examination
Calendar Title: Performance 2 Examination.
Description: 
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.

MUIN 333
Credit Weight: 0
Transcript Title: Piano Techniques 2
Calendar Title: Piano Techniques 2.
Description: 
Practical examination in piano techniques.
Notes:
pass/fail
Mandatory test for pianists to be taken prior to the Performance 2 Exam.

MUIN 342
Credit Weight: 0
Transcript Title: Honours Performance 2 Exam
Calendar Title: Honours Performance 2 Examination.
Description: 
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
MUIN 350
Credit Weight: 6
Transcript Title: LMus Practical Instruction 3
Calendar Title: L.Mus. Practical Instruction 3.
Description: Practical instruction in an instrument or voice.
Notes: Prerequisite: MUIN 251
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 351
Credit Weight: 6
Transcript Title: L.Mus. Practical Instruction 4
Calendar Title: L.Mus. Practical Instruction 4.
Description: Practical instruction in an instrument or voice.
Notes: Prerequisite: MUIN 350
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 352
Credit Weight: 4
Transcript Title: L.Mus. Performance 2 Exam
Calendar Title: L.Mus. Performance 2 Examination.
Description: Assessment of student progress.
Notes: Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Prerequisite(s): MUIN 252
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 369
Credit Weight: 0
Transcript Title: Concerto
Calendar Title: Concerto.
Description: Practical examination on concerto repertoire.
Notes: pass/fail
Mandatory test for pianists
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 380
Credit Weight: 2.5
Transcript Title: BMus Practical Lessons 5
Calendar Title: BMus Practical Lessons 5.
Description:
Practical instruction on an instrument or voice.

Notes:
Prerequisite: MUIN 281

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 381
Credit Weight: 2.5
Transcript Title: BMus Practical Lessons 6
Calendar Title: BMus Practical Lessons 6.
Description:
Practical instruction on an instrument or voice.
Notes:
Prerequisite: MUIN 380

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 382
Credit Weight: 1
Transcript Title: BMus Performance Exam 2
Calendar Title: BMus Performance Examination 2.
Description:
Assessment of student's progress in the practical area.
Notes:
Exam details are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Prerequisite(s): MUIN 282

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 384
Credit Weight: 1
Transcript Title: Conducting Minor Project
Calendar Title: Conducting Minor Project.
Description:
Conducting project including selection, preparation, rehearsal and performance of 10-15 minutes of choral or orchestral music.
Notes:
Restriction(s): Open to students in the Minor in Conducting.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 400
Credit Weight: 2
Transcript Title: Voice Coaching 3
Calendar Title: Voice Coaching 3.
Description:
A course in which the student will have individual coaching sessions on repertoire, with emphasis in musical and linguistic nuance.
Notes:
Restriction: Open only to students in the Artist Diploma in Voice program.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 401
Credit Weight: 2
Transcript Title: Voice Coaching 4
Calendar Title: Voice Coaching 4.
Description:
Continued individual coaching sessions on repertoire, with emphasis in musical and linguistic nuance.
Notes:
Restriction: Open only to students in the Artist Diploma in Voice program.

MUIN 432
Credit Weight: 0
Transcript Title: Performance 3 Examination
Calendar Title: Performance 3 Examination.
Description:
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.

MUIN 433
Credit Weight: 0
Transcript Title: Piano Techniques 3
Calendar Title: Piano Techniques 3.
Description:
Practical examination in piano techniques.
Notes:
pass/fail
Mandatory test for pianists to be taken prior to the Performance 3 Exam.

MUIN 442
Credit Weight: 0
Transcript Title: Honours Performance 3 Exam
Calendar Title: Honours Performance 3 Examination.
Description:
Assessment of student progress.
Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
MUIN 450
Credit Weight: 4
Transcript Title: LMus Practical Instruction 5
Calendar Title: L.Mus. Practical Instruction 5.
Description: Practical instruction in an instrument or voice.
Notes: Prerequisite: MUIN 351
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 451
Credit Weight: 4
Transcript Title: L.Mus. Practical Instruction 6
Calendar Title: L.Mus. Practical Instruction 6.
Description: Practical instruction in an instrument or voice.
Notes: Prerequisite: MUIN 450
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 452
Credit Weight: 8
Transcript Title: L.Mus. Performance 3 Exam
Calendar Title: L.Mus. Performance 3 Examination.
Description: Assessment of student progress.
Notes: Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Prerequisite(s): MUIN 352
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 452D1
Credit Weight: 4
Transcript Title: L.Mus. Performance 3 Exam
Calendar Title: L.Mus. Performance 3 Examination.
Description: Assessment of student progress.
Notes: Students must register for both MUIN 452D1 and MUIN 452D2. No credit will be given for this course unless both MUIN 452D1 and MUIN 452D2 are successfully completed in consecutive terms.
MUIN 452D1 and MUIN 452D2 together are equivalent to MUIN 452
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 452D2
Credit Weight: 4
Transcript Title: L.Mus. Performance 3 Exam  
Calendar Title: L.Mus. Performance 3 Examination.

Description:
Assessment of student progress.

Notes:
Prerequisite: MUIN 452D1
No credit will be given for this course unless both MUIN 452D1 and MUIN 452D2 are successfully completed in consecutive terms
MUIN 452D1 and MUIN 452D2 together are equivalent to MUIN 452

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 462
Credit Weight: 0
Transcript Title: Artist Diploma Recital 1
Calendar Title: Artist Diploma Recital 1.
Description:
Performance in a recital - instrument or voice.

Notes:
Note: Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 469
Credit Weight: 1
Transcript Title: Artist Diploma Concerto 1
Calendar Title: Artist Diploma Concerto 1.
Description:
Practical examination on concerto repertoire.

Notes:

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 480
Credit Weight: 2
Transcript Title: BMus Practical Lessons 7
Calendar Title: BMus Practical Lessons 7.
Description:
Practical instruction on an instrument or voice.

Notes:
Prerequisite: MUIN 381

Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 481
Credit Weight: 2
Transcript Title: BMus Practical Lessons 8
Calendar Title: BMus Practical Lessons 8.
Description:
Practical instruction on an instrument or voice.
Notes:
Prerequisite: MUIN 480

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 482
Credit Weight: 2
Transcript Title: BMus Performance Exam 3
Calendar Title: BMus Performance Examination 3.
Description:
Assessment of student's progress in the practical area.
Notes:
Exam details are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Prerequisite(s): MUIN 382

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 500
Credit Weight: 1
Transcript Title: Practical Instruction 1
Calendar Title: Practical Instruction 1.
Description:
Individual coaching sessions for musicians in advanced ensembles to focus on their individual instrumental technique.
Notes:
Restriction(s): Open only to musicians in Chamber Music Stream in the Graduate Diploma in Performance and the Graduate Artist Diploma. May be taken by D.Mus. students with special permission.
30 minutes

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 560
Credit Weight: 8
Transcript Title: ArtDip Practical Instruction 3
Calendar Title: Artist Diploma Practical Instruction 3.
Description:
Practical instruction in an instrument or voice.
Notes:
1.5 hours
Prerequisite: MUIN 461

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUIN 561
Credit Weight: 8
Transcript Title: ArtDip Practical Instruction 4
Calendar Title: Artist Diploma Practical Instruction 4.
Description:
Practical instruction in an instrument or voice.
Notes:
1.5 hours
Prerequisite: MUIN 560

Administering Faculty: Schulich School of Music

Teaching Department: Performance

Status (catalog level): Active

MUIN 562

Credit Weight: 0

Transcript Title: Artist Diploma Recital 2

Calendar Title: Artist Diploma Recital 2.

Description:
Performance in a recital - instrument or voice.

Notes:
Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.

Administering Faculty: Schulich School of Music

Teaching Department: Performance

Status (catalog level): Active

MUIN 563

Credit Weight: 0

Transcript Title: Artist Diploma Recital 3

Calendar Title: Artist Diploma Recital 3.

Description:
Performance in a recital - instrument or voice.

Notes:
Complete descriptions are to be found under Examinations and Goals in Practical Subjects in the Music Chapter of the University Calendar.
Restriction: Not open to students who have taken MUIN 562 prior to 200509.

Administering Faculty: Schulich School of Music

Teaching Department: Performance

Status (catalog level): Active

MUIN 569

Credit Weight: 1

Transcript Title: Artist Diploma Concerto 2

Calendar Title: Artist Diploma Concerto 2.

Description:
Practical examination on concerto repertoire.

Notes:
Prerequisite: MUIN 469

Administering Faculty: Schulich School of Music

Teaching Department: Performance

Status (catalog level): Active

MUIN 600

Credit Weight: 2

Transcript Title: Grad. Dip. Vocal Coaching 1

Calendar Title: Graduate Diploma Vocal Coaching 1.

Description:
A course in which the performer will have individual coaching sessions on repertoire, with emphasis on musical and linguistic nuance.

Notes:
(1 hour)

Restriction(s): Only for students in the Graduate Diploma in Performance

Administering Faculty: Graduate Studies

Teaching Department: Performance
Status (catalog level): Active

MUIN 601
Credit Weight: 2
Transcript Title: Grad. Dip. Vocal Coaching 2
Calendar Title: Graduate Diploma Vocal Coaching 2.
Description: Coaching sessions on vocal repertoire.
Notes: (1 hour)
Restriction(s): Only open to students in the Graduate Diploma in Performance
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 610
Credit Weight: 1
Transcript Title: Vocal Coaching 1
Calendar Title: Vocal Coaching 1.
Description: Individual coaching sessions on advanced vocal repertoire with emphasis on musical and linguistic nuance.
Notes: Restriction: Not open to students who have taken MUIN 600
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 611
Credit Weight: 1
Transcript Title: Vocal Coaching 2
Calendar Title: Vocal Coaching 2.
Description: Continuation of Vocal Coaching I with emphasis on musical and linguistic nuance.
Notes: Restriction: Not open to students who have taken MUIN 601
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 612
Credit Weight: 1
Transcript Title: Vocal Coaching 3
Calendar Title: Vocal Coaching 3.
Description: Coaching sessions on advanced vocal repertoire with emphasis on musical nuance and the expression of an individual artistic voice.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 620
Credit Weight: 3
Transcript Title: Performance Tutorial 1
Calendar Title: Performance Tutorial 1.
Description:
Individual instrumental, vocal, conducting, collaborative piano or operatic tutorial. Technical and interpretive development, preparation of thesis performance projects.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 621
Credit Weight: 3
Transcript Title: Performance Tutorial 2
Calendar Title: Performance Tutorial 2.
Description:
Additional individual instrumental, vocal, conducting, collaborative piano or operatic tutorial according to area of performing specialization.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 622
Credit Weight: 3
Transcript Title: Performance Tutorial 3
Calendar Title: Performance Tutorial 3.
Description:
Individual tutorial according to area of performing specialization. Interpretative preparation of thesis performance projects and development of individual artistic vision.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 622D1
Credit Weight: 1.5
Transcript Title: Performance Tutorial 3
Calendar Title: Performance Tutorial 3.
Description:
Individual tutorial according to area of performing specialization. Interpretative preparation of thesis performance projects and development of individual artistic vision.

Notes:
Students must register for both MUIN 622D1 and MUIN 622D2
No credit will be given for this course unless both MUIN 622D1 and MUIN 622D2 are successfully completed in consecutive terms
MUIN 622D1 and MUIN 622D2 together are equivalent to MUIN 622
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 622D2
Credit Weight: 1.5
Transcript Title: Performance Tutorial 3
Calendar Title: Performance Tutorial 3.
Description:
Individual tutorial according to area of performing specialization. Interpretative preparation of thesis performance projects and development of individual artistic vision.

**Notes:**
- Prerequisite: MUIN 622D1
- No credit will be given for this course unless both MUIN 622D1 and MUIN 622D2 are successfully completed in consecutive terms
- MUIN 622D1 and MUIN 622D2 together are equivalent to MUIN 622

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUIN 623**

**Credit Weight:** 3

**Transcript Title:** Performance Tutorial 4

**Calendar Title:** Performance Tutorial 4.

**Description:**
Extra term of individual instrumental, vocal, conducting, collaborative piano or operatic tutorial.

**Notes:**
- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Performance
- **Status (catalog level):** Active

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**MUIN 624**

**Credit Weight:** 3

**Transcript Title:** Performance Tutorial 5

**Calendar Title:** Performance Tutorial 5.

**Description:**
Extra term of individual tutorial according to area of performing specialization. Interpretative preparation of thesis performance projects and development of individual artistic vision.

**Notes:**
- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Performance
- **Status (catalog level):** Active

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**MUIN 626**

**Credit Weight:** 3

**Transcript Title:** Jazz Perf./Comp.Tutorial 1

**Calendar Title:** Jazz Performance/Composition Tutorial 1.

**Description:**
Individual instruction in instrumental performance, jazz composition and arranging and jazz improvisation according to performing specialization.

**Notes:**
- Restriction: Not open to students who have taken MUPG 626
- **Administering Faculty:** Graduate Studies
- **Teaching Department:** Performance
- **Status (catalog level):** Active

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**MUIN 627**

**Credit Weight:** 3

**Transcript Title:** Jazz Perf./Comp.Tutorial 2

**Calendar Title:** Jazz Performance/Composition Tutorial 2.

**Description:**
Individual instruction in instrumental performance, jazz composition and arranging
and jazz improvisation according to performing specialization.

**Notes:**
Restriction: Not open to students who have taken MUPG 627

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUIN 628**

**Credit Weight:** 3

**Transcript Title:** Jazz Perf./Comp.Tutorial 3

**Calendar Title:** Jazz Performance/Composition Tutorial 3.

**Description:**
Individual instruction in instrumental performance, jazz composition and arranging and jazz improvisation according to performing specialization, including work on various aspects of jazz artistry in preparation for recital requirements.

**Notes:**
Restriction: Not open to students who have taken MUPG 628

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUIN 628D1**

**Credit Weight:** 1.5

**Transcript Title:** Jazz Perf./Comp.Tutorial 3

**Calendar Title:** Jazz Performance/Composition Tutorial 3.

**Description:**
Individual instruction in instrumental performance, jazz composition and arranging and jazz improvisation according to performing specialization, including work on various aspects of jazz artistry in preparation for recital requirements.

**Notes:**
Students must register for both MUIN 628D1 and MUIN 628D2

MUIN 628D1 and MUIN 628D2 together are equivalent to MUIN 628

No credit will be given for this course unless both MUIN 628D1 and MUIN 628D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUIN 628D2**

**Credit Weight:** 1.5

**Transcript Title:** Jazz Perf./Comp.Tutorial 3

**Calendar Title:** Jazz Performance/Composition Tutorial 3.

**Description:**
Individual instruction in instrumental performance, jazz composition and arranging and jazz improvisation according to performing specialization, including work on various aspects of jazz artistry in preparation for recital requirements.

**Notes:**
Prerequisite: MUIN 628D1

No credit will be given for this course unless both MUIN 628D1 and MUIN 628D2 are successfully completed in consecutive terms

MUIN 628D1 and MUIN 628D2 together are equivalent to MUIN 628

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUIN 630**

**Credit Weight:** 3
**Transcript Title:** Conducting Tutorial 1  
**Calendar Title:** Conducting Tutorial 1.  
**Description:**  
**Notes:**  
Restriction: Open to students in the Master of Music (M. Mus.) in Performance; Conducting option.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUIN 631**  
**Credit Weight:** 3  
**Transcript Title:** Conducting Tutorial 2  
**Calendar Title:** Conducting Tutorial 2.  
**Description:**  
**Notes:**  
Prerequisite(s): MUIN 630  
Restriction: Open to students in the Master of Music (M.Mus) in Performance; Conducting option.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUIN 632**  
**Credit Weight:** 3  
**Transcript Title:** Conducting Tutorial 3  
**Calendar Title:** Conducting Tutorial 3.  
**Description:**  
Additional group conducting tutorial. Interpretative preparation of thesis performance projects and development of individual artistic vision.  
**Notes:**  
Prerequisite(s): MUIN 631  
Restrictions: Open to students in the Master of Music (M. Mus.) in Performance; Conducting option.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUIN 633**  
**Credit Weight:** 3  
**Transcript Title:** Conducting Tutorial 4  
**Calendar Title:** Conducting Tutorial 4.  
**Description:**  
Extra term of group conducting tutorial. Interpretive preparation of thesis performance projects and development of individual artistic vision.  
**Notes:**  
Prerequisite(s): MUIN 632  
Tuition per credit and Copyright Fee per credit fee apply.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active
MUIN 634
Credit Weight: 8
Transcript Title: Graduate Diploma Tutorial 1
Calendar Title: Graduate Diploma Tutorial 1.
Description:
Practical instruction; individual artists: specific performance projects detailed at audition. Jazz musicians: includes arranging and composition. Chamber ensembles: individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision.
Notes:
Restriction(s): Open to students in the Graduate Diploma in Performance.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 635
Credit Weight: 8
Transcript Title: Graduate Diploma Tutorial 2
Calendar Title: Graduate Diploma Tutorial 2.
Description:
Continued practical instruction; individual artists: specific performance projects detailed at audition. Jazz musicians: includes arranging and composition. Chamber ensembles: individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision.
Notes:
Restriction(s): Open to students in the Graduate Diploma in Performance.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 637
Credit Weight: 3
Transcript Title: Gr Cert Conducting Tutorial 1
Calendar Title: Graduate Certificate Conducting Tutorial 1.
Description:
Group conducting tutorial. Technical and interpretive development and preparation of graduate certificate performance project.
Notes:
Restrictions: Open to students in the Graduate Certificate in Performance – Choral Conducting.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 638
Credit Weight: 3
Transcript Title: Gr Cert Conducting Tutorial 2
Calendar Title: Graduate Certificate Conducting Tutorial 2.
Description:
Group conducting tutorial. Continued technical and interpretive development and preparation of graduate certificate performance project.
Notes:
Prerequisites: MUIN 637
Restrictions: Open to students in the Graduate Certificate in Performance - Choral Conducting.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 700
Credit Weight: 2
Transcript Title: Doc. Repertoire Coaching 1
Calendar Title: Doctoral Repertoire Coaching 1.
Description: Individual tutorial coaching sessions in repertoire, with emphasis on musical and linguistic nuance.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 701
Credit Weight: 2
Transcript Title: Doc. Repertoire Coaching 2
Calendar Title: Doctoral Repertoire Coaching 2.
Description: Individual tutorial coaching sessions in repertoire, with emphasis on musical and linguistic nuance.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 702
Credit Weight: 2
Transcript Title: Doc. Repertoire Coaching 3
Calendar Title: Doctoral Repertoire Coaching 3.
Description: Individual tutorial coaching sessions in repertoire, with emphasis on musical and linguistic nuance.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 703
Credit Weight: 2
Transcript Title: Doc. Repertoire Coaching 4
Calendar Title: Doctoral Repertoire Coaching 4.
Description: Individual tutorial coaching sessions in repertoire, with emphasis on musical and linguistic nuance.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 710
Credit Weight: 8
Transcript Title: Grad Artist Diploma Tutorial 1
Calendar Title: Graduate Artist Diploma Tutorial 1.
Description: Practical instruction; for individual artists will be defined around the specific
performance projects detailed at audition. For chamber ensembles, includes individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision for chamber ensembles

Notes:
Restrictions: Open to students in the Graduate Artist Diploma only.
Additional Course Charges: Music Private Lesson Fee. Amount: $529.00

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 711
Credit Weight: 8
Transcript Title: Grad Artist Diploma Tutorial 2
Calendar Title: Graduate Artist Diploma Tutorial 2.
Description:
Continued practical instruction; for individual artists will be defined around the specific performance projects detailed at audition. For chamber ensembles, includes individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision for chamber ensembles.

Notes:
Restriction(s): Open to students in the Graduate Artist Diploma only.
Additional Course Charges: Music Private Lesson Fee. Amount: $529.00.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 715
Credit Weight: 8
Transcript Title: Post-Grad Art. Dip. Tutorial 1
Calendar Title: Post-Graduate Artist Diploma Tutorial 1.
Description:
Practical instruction. Coaching and mentorship in support of the development of artistic goals defined by the student in consultation with the instructor.

Notes:
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUIN 710.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 716
Credit Weight: 8
Transcript Title: Post-Grad Art. Dip. Tutorial 2
Calendar Title: Post-Graduate Artist Diploma Tutorial 2.
Description:
Practical instruction. Continued coaching and mentorship in support of the development of artistic goals defined by the student in consultation with the instructor.

Notes:
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUIN 711.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MUIN 720
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 1
Calendar Title: D.Mus. Performance Tutorial 1.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 720
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 721
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 2
Calendar Title: D.Mus. Performance Tutorial 2.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 721
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 722
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 3
Calendar Title: D.Mus. Performance Tutorial 3.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 722
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 723
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 4
Calendar Title: D.Mus. Performance Tutorial 4.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 723
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 724
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 5
Calendar Title: D.Mus. Performance Tutorial 5.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 724
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 725
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 6
Calendar Title: D.Mus. Performance Tutorial 6.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 725
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 726
Credit Weight: 4
Transcript Title: D.Mus. Performance Tutorial 7
Calendar Title: D.Mus. Performance Tutorial 7.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 726
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 730
Credit Weight: 6
Transcript Title: D.Mus. Performance Tutorial 8
Calendar Title: D.Mus. Performance Tutorial 8.
Description: Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes: Restriction: Not open to students who have taken MUPG 730
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 731
Credit Weight: 6
Transcript Title: D.Mus. Performance Tutorial 9
Calendar Title: D.Mus. Performance Tutorial 9.
Description: Individual instrumental or vocal tutorial. Advanced technical or interpretive training as well as recital preparation.
Restriction: Not open to students who have taken MUPG 731

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 732
Credit Weight: 6
Transcript Title: D.Mus. Performance Tutorial 10
Calendar Title: D.Mus. Performance Tutorial 10.
Description:
Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes:
Restriction: Not open to students who have taken MUPG 732

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 733
Credit Weight: 6
Transcript Title: D.Mus. Performance Tutorial 11
Calendar Title: D.Mus. Performance Tutorial 11.
Description:
Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes:
Restriction: Not open to students who have taken MUPG 733

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUIN 734
Credit Weight: 6
Transcript Title: D.Mus. Performance Tutorial 12
Calendar Title: D.Mus. Performance Tutorial 12.
Description:
Individual instrumental or vocal tutorial. Advanced technical and interpretive training as well as recital preparation.
Notes:
Restriction: Not open to students who have taken MUPG 734

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MUIT 201
Credit Weight: 3
Transcript Title: String Techniques
Calendar Title: String Techniques.
Description:
The fundamental techniques in performance of four common stringed instruments, i.e., violin, viola, cello, and bass. Principles of sound production on stringed instruments, historical development of the strings, purchase of new and used instruments, maintenance and repairs, teaching procedures and reference materials.
Symbols:  LIMT - Limited enrolment
Notes:
3 hours and 2 hours lab
Corequisites: MUSP 140 or MUSP 141 AND MUTH 150.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 202
Credit Weight: 3
Transcript Title: Woodwind Techniques
Calendar Title: Woodwind Techniques.
Description:
The fundamental techniques in performance of five common woodwind instruments, i.e., clarinet, flute, oboe, bassoon, and saxophone. Principles of sound production, historical development of the woodwinds, purchase of new and used instruments, maintenance and repairs, teaching procedures and reference materials.
Symbols:  LIMT - Limited enrolment
Notes:
3 hours and 2 hours lab
Corequisites: MUSP 140 or MUSP 141 AND MUTH 150.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 203
Credit Weight: 3
Transcript Title: Brass Techniques
Calendar Title: Brass Techniques.
Description:
The fundamental techniques in performance of five common brass instruments, i.e., trumpet, horn, trombone, baritone, and tuba. Principles of sound production, historical development of the brass, purchase of new and used instruments, maintenance and repairs, teaching procedures and reference materials.
Symbols:  LIMT - Limited enrolment
Notes:
3 hours and 2 hours lab
Corequisites: MUSP 140 or MUSP 141 AND MUTH 150.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 204
Credit Weight: 3
Transcript Title: Percussion Techniques
Calendar Title: Percussion Techniques.
Description:
The fundamental techniques in performance of percussion instruments commonly in
use in symphonic bands and orchestras. Principles of sound production, historical development of the percussion, purchase of new and used instruments, maintenance and repairs, teaching procedures and reference materials.

Symbols:  LIMT - Limited enrolment
Notes:
3 hours and 2 hours lab
Corequisites: MUSP 140 or MUSP 141 AND MUTH 150.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 250
Credit Weight: 3
Transcript Title: Guitar Techniques
Calendar Title: Guitar Techniques.
Description:
The fundamental techniques in guitar performance. Basic principles of beginning and intermediate pedagogy, sound production, historical development of the instrument, purchase of new and used instruments, maintenance and repair, and teaching materials and repertoire for solo and ensemble performance.

Symbols:  LIMT - Limited enrolment
Notes:
3 hours
Corequisites: MUSP 140 or MUSP 141 AND MUTH 150.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 302
Credit Weight: 3
Transcript Title: Advanced Wind Techniques
Calendar Title: Advanced Wind Techniques.
Description:
Continued exploration of brass and woodwind pedagogy. Methods for developing technique and musical sensitivity in beginning and intermediate performers will be explored through in-depth study of heterogeneous and homogeneous instrumental methods. Skill on secondary instruments and diagnostic and prescriptive teaching abilities will be extended through Lab performances and individual coaching projects.

Symbols:  LIMT - Limited enrolment
Notes:
3 hours and 2 hours lab
Prerequisites: MUIT 202, MUIT 203.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 315
Credit Weight: 3
Transcript Title: Instrumental Conducting
Calendar Title: Instrumental Conducting.
Description:
The fundamental skills of instrumental conducting, including baton technique, score analysis, and rehearsal procedures; conducting materials are selected from representative orchestral works.

Symbols:  LIMT - Limited enrolment
Notes:
3 hours and 2 hours lab
Prerequisites: MUGT 215, MUIT 201, 202, MUIT 203, MUIT 204, or MUIT 250, or permission of instructor.
Restriction: Open to non-music education students with permission of instructor.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUIT 356
Credit Weight: 3
Transcript Title: Jazz Instruction: Philos&Tech
Calendar Title: Jazz Instruction: Philosophy and Techniques.
Description: Introduction to techniques for the development of school and community-based jazz programs. Topics will include: philosophy of jazz instruction, rhythm section, musical materials, techniques to develop improvisation and aural skills, jazz styles, score preparation, rehearsal techniques, and administration of jazz programs. Will include observation of rehearsals and coaching opportunities.
Symbols: LIMT - Limited enrolment
Notes: 3 hours
Corequisite (s): MUGT 215, MUIT 202, MUIT 203, MUIT 204 and MUIT 201 or MUIT 250, or permission of the instructor

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active
MUJZ 160
Credit Weight: 3
Transcript Title: Jazz Materials 1
Calendar Title: Jazz Materials 1.
Description:
Fundamental aural and theoretical skills associated with the jazz idiom. Nomenclature, chord construction, chord/scale relationships, harmonic progression, circle of 5ths, simple turnarounds, simple substitution, symmetrical scales and chord relationships, voice leading.
Notes:
4 hours
Prerequisite: none. Open to non-jazz majors, space permitting, but not for elective credit in B.Mus. or Artist Diploma programs
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 161
Credit Weight: 3
Transcript Title: Jazz Materials 2
Calendar Title: Jazz Materials 2.
Description:
Simple and advanced substitution, borrowed chords, reharmonisation, modes of harmonic minor and melodic minor diatonic systems, unresolved tensions, odd and infrequent modulations, mixed two-five-ones, introduction to polychords, slashchords and non-functional harmony.
Notes:
4 hours
Prerequisite: MUJZ 160. Open to non-jazz majors, space permitting, but not for elective credit in B.Mus. or Artist Diploma programs
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 170
Credit Weight: 1
Transcript Title: Jazz Keyboard Proficiency 1
Calendar Title: Jazz Keyboard Proficiency 1.
Description:
Basic piano skills, basic comping techniques, standard 3 note rootless voicings in 7, 3 and 3, 7 position with one extension, two-five-ones in major and minor - limited keys. Simple substitution and reharmonisation.
Notes:
1 hour
Prerequisite: none. Open only to Jazz Performance Majors. May not be taken for elective credit in B.Mus. or Artist Diploma programs
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 171
Credit Weight: 1
Transcript Title: Jazz Keyboard Proficiency 2
Calendar Title: Jazz Keyboard Proficiency 2.
Description:
Continuation of previous semester. Two-five-ones and mixed two-five-ones using 4 note close position voicings and 4 and 5 note spreads, in all keys, diminished
passing chords, half step shifts, voice leading extensions, quartal and modal voicing, sight reading of standard jazz repertoire.

Notes:
1 hour
Prerequisite: MUJZ 170. Open only to Jazz Performance Majors. May not be taken for elective credit in B.Mus. or Artist Diploma programs

Administration Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 172
Credit Weight: 1
Transcript Title: Drum Set Proficiency
Calendar Title: Drum Set Proficiency.
Description: Basic drums skills and techniques, initiation to main rhythms and grooves (swing, straight 8s, Latin, Afro-Cuban etc). Practice of claves, independence & simple polyrhythms. Usual meters (3/4, 4/4, 6/8) and most common odd meters (5/4, 7/4). Tempo, time and placement.
Notes: Open to students in the BMus Jazz Performance program and others by permission of the instructor
Not open to jazz drums majors
Administration Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 187
Credit Weight: 3
Transcript Title: Jazz History Survey
Calendar Title: Jazz History Survey.
Description: An introductory study of the principal recordings, artists and musical trends in jazz from its origins to the present day.
Notes: 3 hours
Administration Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 213
Credit Weight: 2
Transcript Title: Fundamentals of Jazz Improv 1
Calendar Title: Fundamentals of Jazz Improvisation 1.
Description: Introduction to basic improvisation concepts of phrasing, articulation, melodic development, harmonic control, musical vocabulary and style. Pedagogical techniques will be discussed.
Notes: Prerequisite(s): MUSP 124 or MUSP 141, and MUJZ 161
Note: Open to students in Faculty Program Jazz and to students minoring in Jazz Performance, or with permission of instructor; not open to students majoring in Jazz Performance.
Administration Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active
MUJZ 214
Credit Weight: 2
Transcript Title: Fundamentals of Jazz Improv 2
Calendar Title: Fundamentals of Jazz Improvisation 2.
Description: A continuation of development of basic improvisation concepts of phrasing, articulation, melodic development, harmonic control, musical vocabulary and style. Pedagogical techniques will be discussed.
Notes: Prerequisite(s): MUJZ 213
Note: Open to students in Faculty Program Jazz and to students minoring in Jazz Performance, or with permission of instructor; not open to students majoring in Jazz Performance.
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 223
Credit Weight: 3
Transcript Title: Jazz Improv/Musicianship 1
Calendar Title: Jazz Improvisation/Musicianship 1.
Description: Basic improvisational concepts with emphasis on time feel, phrasing, articulation, melodic development, voice leading, harmonic control and stylistic nuance. Memorization and aural recognition of standard jazz repertoire also stressed. The aural tradition of the music is emphasized through rhythmic/melodic dictation.
Notes: 3 hours
Prerequisite: MUJZ 161
Restriction: Open only to Jazz Performance Majors
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 224
Credit Weight: 3
Transcript Title: Jazz Improv/Musicianship 2
Calendar Title: Jazz Improvisation/Musicianship 2.
Description: Continuation of Jazz Improvisation/Musicianship MUJZ 223.
Notes: 3 hours
Prerequisite: MUJZ 223.
Restriction: Open only to Jazz Performance Majors
Administrating Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 225
Credit Weight: 3
Transcript Title: Jazz Vocal Improvisation 1
Calendar Title: Jazz Vocal Improvisation 1.
Description: Fundamental concepts of the blues, blues expression, blues function and its application to vocal improvisation in jazz. The history of the blues and the
cultural influence of Black American music on popular American music and jazz will be analyzed. Emphasis on ear training, performance, memorization and transcription of required jazz solos.

**Notes:**
Corequisite: MUJZ 161
Restrictions: Open only to students in a Major in Performance Jazz program.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUJZ 226**
**Credit Weight:** 3

** Transcript Title:** Jazz Vocal Improvisation 2

**Calendar Title:** Jazz Vocal Improvisation 2.

**Description:**
Fundamental concepts of the blues, blues expression, storytelling, blues function and its application to jazz vocal improvisation and standard jazz repertoire. Advanced blues harmonic structures and forms will be analyzed. Emphasis on ear training, performance, applied musicianship, memorization and transcription of required jazz solos.

**Notes:**
Prerequisite: MUJZ 225
Restriction: Open only to students in a Major in Performance Jazz program. Passing grade for prerequisite(s) is B-.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUJZ 260**
**Credit Weight:** 3

** Transcript Title:** Jazz Arranging 1

**Calendar Title:** Jazz Arranging 1.

**Description:**
Introduction to concepts and techniques commonly used in jazz arranging. Notation, calligraphy and score preparation are discussed; including study of classical and contemporary scores by prominent jazz arrangers.

**Notes:**
Prerequisite(s): MUJZ 161
Restriction(s): Open only to Jazz Performance Majors OR with permission of instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUJZ 261**
**Credit Weight:** 3

** Transcript Title:** Jazz Arranging 2

**Calendar Title:** Jazz Arranging 2.

**Description:**
Consolidation of knowledge of basic concepts and techniques used in jazz arranging.

**Notes:**
Prerequisite: MUJZ 260.
Restriction(s): Open only to Jazz Performance Majors OR by permission of instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance
Status (catalog level): Active

MUJZ 262
Credit Weight: 3
Transcript Title: Applied Jazz Theory
Calendar Title: Applied Jazz Theory.
Description:
An examination of harmonic practices and compositional styles in post-1960 jazz. Various theoretical approaches to jazz harmonic analysis will be addressed. Students analyze and compose jazz tunes and longer forms.
Notes:
Prerequisite(s): MUJZ 161.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 323
Credit Weight: 2
Transcript Title: Advanced Jazz Ear Training
Calendar Title: Advanced Jazz Ear Training.
Description:
Dictation workshop. Content includes tonal functions commonly found in Blues, Standard Tunes and post-1960s tunes; all harmonic structures commonly used in jazz; modulations to all keys; harmonic sequences and turnaround patterns; all commonly used jazz scales; melodic dictation of tonic, II-V and turnaround patterns.
Notes:
Prerequisite(s): MUJZ 214 or MUSP 241.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 325
Credit Weight: 3
Transcript Title: Jazz Vocal Improvisation 3
Calendar Title: Jazz Vocal Improvisation 3.
Description:
Fundamental concepts of jazz vocal improvisation and its use and application in standard jazz repertoire, with an emphasis on ear training, performance, harmonic analysis, language development and applied musicianship. American songbook repertoire will be the focus.
Notes:
Prerequisite: MUJZ 226
Restriction: Open only to students in a Major in Performance Jazz program. Passing grade for prerequisite(s) is B-.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 326
Credit Weight: 3
Transcript Title: Jazz Vocal Improvisation 4
Calendar Title: Jazz Vocal Improvisation 4.
Description:
Fundamental concepts of jazz vocal improvisation and its use and application in standard jazz repertoire, with an emphasis on ear training, performance, harmonic
analysis, language development and applied musicianship. Classic and contemporary jazz standard repertoire will be the focus.

Notes:
Prerequisite: MUJZ 325
Restriction: Open only to students in a Major in Performance Jazz program.
Passing grade of prerequisite(s) is B-.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 340
Credit Weight: 3
Transcript Title: Jazz Composition 1
Calendar Title: Jazz Composition 1.
Description:
Jazz composition based on the stylistic concepts of leading jazz composers. Development of a personal and creative compositional style and of control of factors such as: rhythmic, harmonic, and melodic continuity, vertical modal, and linear modal harmony, polychordal techniques, and non-functional harmonic concepts.
Notes:
Prerequisite(s): MUJZ 261
Restriction(s): Open only to Jazz Performance Majors OR by permission of instructor.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 341
Credit Weight: 3
Transcript Title: Jazz Composition 2
Calendar Title: Jazz Composition 2.
Description:
A continuation of development of a personal and creative jazz compositional style.
Notes:
Prerequisite(s): MUJZ 340.
Restriction(s): Open only to Jazz Performance Majors OR by permission of instructor.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 423
Credit Weight: 3
Transcript Title: Jazz Improv/Musicianship 3
Calendar Title: Jazz Improvisation/Musicianship 3.
Description:
Refinement of improvisational concepts in conjunction with ear training, leading towards the establishment of a personal style of playing. Complex forms and harmonies, and contemporary techniques. Memorization of large and varied repertoire is stressed. The ability to identify, transcribe and perform various melodies, rhythms, and complex harmonies by ear will be stressed.
Notes:
3 hours
Prerequisite: MUJZ 224.
Restriction: Open only to Jazz Performance Majors

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 424
Credit Weight: 3
Transcript Title: Jazz Improv/Musicianship 4
Calendar Title: Jazz Improvisation/Musicianship 4.
Description:
Continuation of Jazz Improvisation/Musicianship MUJZ 423.
Notes:
3 hours
Prerequisite: MUJZ 423.
Restriction: Open only to Jazz Performance Majors
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 425
Credit Weight: 2
Transcript Title: Jazz Vocal Repertoire 1
Calendar Title: Jazz Vocal Repertoire 1.
Description:
Fundamental concepts of applied performance technique, arranging for vocalists, accompaniment skills and repertoire development with an emphasis on improvisation and performance. Analysis of selected recordings and concert performance videos.
Notes:
Prerequisite: MUJZ 326
Restriction: Open only to students in a Major in Performance Jazz program.
Passing grade for prerequisite(s) is B-.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 426
Credit Weight: 2
Transcript Title: Jazz Vocal Repertoire 2
Calendar Title: Jazz Vocal Repertoire 2.
Description:
Fundamental concepts of applied performance technique, arranging for vocalists, accompaniment skills and repertoire development with an emphasis on improvisation and performance. Analysis of selected recordings and concert performance videos.
Notes:
Prerequisite: MUJZ 425
Restrictions: Open only to students in a Major in Performance Jazz program.
Passing grade of prerequisite(s) is B-.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 440
Credit Weight: 2
Transcript Title: Advanced Jazz Composition 1
Calendar Title: Advanced Jazz Composition 1.
Description:
A continuation of MUJZ 341. This course will reaffirm the importance of the basic elements of composition with an emphasis on the compositional process and
micro-listening.

Notes:
Prerequisite: MUJZ 341
Restriction: Not open to students who have taken MUJZ 440D1/D2. Open only to Jazz Performance Majors OR by permission of the instructor.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 441
Credit Weight: 2
Transcript Title: Advanced Jazz Composition 2
Calendar Title: Advanced Jazz Composition 2.
Description:
A continuation of MUJZ 440. This course will further emphasize and facilitate the development of a personal and creative compositional style. Jazz aesthetics will be emphasized and explored in greater depth.

Notes:
Prerequisite: MUJZ 440
Restriction: 1. Open only to Jazz Performance Majors OR by permission of the instructor.
2. Not open to students who have taken MUJZ 440D1 - MUJZ 440 D2.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 461D1
Credit Weight: 2
Transcript Title: Advanced Jazz Arranging
Calendar Title: Advanced Jazz Arranging.
Description:
This course introduces advanced concepts in jazz writing by examining scores by historically-important jazz composers/arrangers, as well as contemporary masters. Student writing, including expanded combo, big band, and small group string projects, is geared toward public performance by McGill jazz ensembles and combos.

Notes:
2 hours
Prerequisite(s): MUJZ 341
Restriction(s): Open only to Jazz Performance Majors OR permission of instructor.
Students must register for both MUJZ 461D1 and MUJZ 461D2.
No credit will be given for this course unless both MUJZ 461D1 and MUJZ 461D2 are successfully completed in consecutive terms.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 461D2
Credit Weight: 2
Transcript Title: Advanced Jazz Arranging
Calendar Title: Advanced Jazz Arranging.
Description:
See MUJZ 461D1 for course description.

Notes:
Prerequisite: MUJZ 461D1
No credit will be given for this course unless both MUJZ 461D1 and MUJZ 461D2 are successfully completed in consecutive terms

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 493
Credit Weight: 3
Transcript Title: Jazz Performance Practice
Calendar Title: Jazz Performance Practice.
Description:
An in-depth exploration of the performance practice of leading jazz figures, primarily through the study of solo transcriptions. Comparative study of conceptual differences in time feel, ornamentation, tone quality, articulation and harmonic and melodic approach. Detailed study of major rhythm sections and their interaction with soloists.
Notes:
3 hours
Prerequisites: MUJZ 187, MUJZ 224.
Restriction: Open only to Jazz Performance Majors
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUJZ 601
Credit Weight: 3
Transcript Title: Jazz Pedagogy
Calendar Title: Jazz Pedagogy.
Description:
A course designed to prepare students to teach jazz-related subjects at the university and professional level, with emphasis on ensemble direction and the instruction of improvisation, as well as course and curriculum development. Various pedagogical methods, philosophies, rehearsal techniques, and materials will be investigated.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUJZ 640
Credit Weight: 2
Transcript Title: Jazz Composition & Arranging 1
Calendar Title: Jazz Composition and Arranging 1.
Description:
Analysis and application of a variety of jazz and 20th Century compositional and arranging techniques, including writing for small and medium size jazz ensembles.
Notes:
2 hours
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUJZ 641
Credit Weight: 2
Transcript Title: Jazz Composition & Arranging 2
Calendar Title: Jazz Composition and Arranging 2.
Description:
Students compose and arrange for a variety of instrumental combinations including
large jazz ensembles of ten or more instruments.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active

### MUJZ 644

**Credit Weight:** 2  
**Transcript Title:** Jazz Repertoire Project 1  
**Calendar Title:** Jazz Repertoire Project 1.  
**Description:** Students investigate an approved area of jazz orchestral repertoire, under the supervision of a full-time faculty member.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active

### MUJZ 645

**Credit Weight:** 2  
**Transcript Title:** Jazz Repertoire Project 2  
**Calendar Title:** Jazz Repertoire Project 2.  
**Description:** Jazz repertoire for any ensemble format may be explored.

**Notes:** Prerequisite: MUJZ 644.

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active
MUMT 202
Credit Weight: 3
Transcript Title: Fundamentals of New Media
Calendar Title: Fundamentals of New Media.
Description:
A theoretical and practical introduction to selected areas of music technology. Topics include digital audio and sampling theory, MIDI and sequencing, audio editing and mixing, elementary sound recording, score editing software and current areas of research interest.
Symbols: LIMT - Limited enrolment
Notes:
3 hours
Prerequisites: none
Restriction: Open to all students though priority will be given to students in the Music Technology MAT Minor, followed by Schulich School of Music students.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUMT 203
Credit Weight: 3
Transcript Title: Introduction to Digital Audio
Calendar Title: Introduction to Digital Audio.
Description:
An introduction to digital audio and the technologies involved in its practical realization and use in computer music. Topics will include audio signals and systems, sampling & quantization, signal encoding, compression, transmission and storage, filters, analog-to-digital and digital-to-analog converters, digital audio effects, sound sampling and synthesis techniques.
Symbols: LIMT - Limited enrolment
Notes:
3 hours
Restriction(s): Open only to students in the Music Technology MST Minor or by permission of the instructor.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUMT 250
Credit Weight: 3
Transcript Title: Music Perception and Cognition
Calendar Title: Music Perception and Cognition.
Description:
Basic processes by which the brain transforms sound waves into musical events, dimensions, systems and structures and the processes by which musicians imagine new musical sounds and structures and plan movements that produce music on instruments.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUMT 301
Credit Weight: 3
Transcript Title: Music and the Internet
Calendar Title: Music and the Internet.
Description:
A brief history of Internet technologies (protocols, web servers, web browsers)
and their relationship to music and musicians (physical vs. virtual music distribution, digital music formats, streaming services). Locating, retrieving, and working with online music information through Web APIs and coding exercises. Basic static website creation for musicians (HTML/CSS/JavaScript). Technology-enhanced music creation.

**Symbols:** LIMT - Limited enrolment

**Notes:**
3 hours

**Prerequisite:** MUMT 202

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUMT 302**

**Credit Weight:** 3

**Transcript Title:** New Media Production 1

**Calendar Title:** New Media Production 1.

**Description:**
Techniques for producing and manipulating music and sound for new media applications. Synthesis techniques including FM, granular and physical modeling. Audio effects including delay, reverberation, dynamics processing, and filtering. Audio compression, HCI and MIR concepts.

**Symbols:** LIMT - Limited enrolment

**Notes:**
3 hours

**Prerequisite:** MUMT 202

Restriction: Open only to students in the Music Technology MAT Minor or by permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUMT 303**

**Credit Weight:** 3

**Transcript Title:** New Media Production 2

**Calendar Title:** New Media Production 2.

**Description:**
Advanced audio processing with general considerations of aesthetics in sonic art. Introduction to theory and practice of digital video processing using Jitter.

**Symbols:** LIMT - Limited enrolment

**Notes:**
3 hours

**Prerequisite:** MUMT 302

Restriction: Open only to students in the Music Technology MAT Minor or by permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUMT 306**

**Credit Weight:** 3

**Transcript Title:** Music & Audio Computing 1

**Calendar Title:** Music and Audio Computing 1.

**Description:**
Concepts, algorithms, data structures, and programming techniques for the development of music and audio software, ranging from musical instrument design to interactive music performance systems.
MUMT 307
Credit Weight: 3
Transcript Title: Music & Audio Computing 2
Calendar Title: Music and Audio Computing 2.
Description: Theory and implementation of signal processing techniques for sound synthesis and audio effects processing using Matlab, C++, and Max/MSP.

MUMT 501
Credit Weight: 3
Transcript Title: Digital Aud. Signal Processing
Calendar Title: Digital Audio Signal Processing.

MUMT 502
Credit Weight: 3
Transcript Title: Senior Proj:Music Technology
Calendar Title: Senior Project: Music Technology.
Description: Independent senior project in Music Technology. Students will design and implement a medium-scale project in consultation with their advisor. Evaluation will be based on concept, background research, implementation, reliability, and documentation.

Symbols: LIMT - Limited enrolment
Notes: 3 hours
Prerequisite: MUMT 307 and Honours standing in Music Technology
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUMT 605
Credit Weight: 3
Transcript Title: Digit Sound Synth & Aud Process
Calendar Title: Digital Sound Synthesis and Audio Process.
Description:
Basic principles of digital sound synthesis including techniques such as additive synthesis, frequency modulation, tuned resonators, waveshaping and digital audio processing techniques including simple delay systems, filters, reverberators, spatial controllers, etc. will be explored.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUMT 609
Credit Weight: 3
Transcript Title: Music, Media & Technology Project
Calendar Title: Music, Media and Technology Project.
Description:
Independent music technology project. Students will prepare a statement of objectives, a comprehensive project design and a schedule of work, and will undertake the project on appropriate music technology platforms.
Notes: 3 research/project hours

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUMT 610
Credit Weight: 3
Transcript Title: Music Technology Seminar 1
Calendar Title: Music Technology Seminar 1.
Description:
Advanced topics in computer applications in music will be examined. Students will be expected to 1) present critical analyses of current research and 2) develop and implement software demonstrations.
Notes: 3 hours

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUMT 611
Credit Weight: 3
Transcript Title: Music Technology Seminar 2
Calendar Title: Music Technology Seminar 2.
Description:
Advanced topics in computer applications in music will be examined. Students will be expected to 1) present critical analyses of current research and 2) develop and implement software demonstrations.
Notes: 3 hours

Administering Faculty: Graduate Studies
Teaching Department: Music Research  
Status (catalog level): Active

MUMT 615  
Credit Weight: 3  
Transcript Title: Music Technology Seminar 6  
Calendar Title: Music Technology Seminar 6.  
Description: Advanced topics in computer applications in music will be examined. Students will be expected to 1) present critical analyses of current research and 2) develop and implement software demonstrations.  
Notes: 3 hours  
Administering Faculty: Graduate Studies  
Teaching Department: Music Research  
Status (catalog level): Active

MUMT 616  
Credit Weight: 3  
Transcript Title: Timbre Form-Bearing Dim in Mus  
Calendar Title: Timbre Form-Bearing Dimension in Music.  
Description: Music theoretic, performance-related, psychophysical, and cognitive perspectives on musical timbre and its role as a bearer of musical form from small-scale patterns to large-scale structures.  
Administering Faculty: Graduate Studies  
Teaching Department: Music Research  
Status (catalog level): Active

MUMT 617  
Credit Weight: 3  
Transcript Title: Cog. Dynam. of Mus. Listening  
Calendar Title: Cognitive Dynamics of Music Listening.  
Description: Music theoretic, performance-related, psychophysical and cognitive approaches to the temporal dynamics of musical listening to, and experience of, contemporary musical materials and form.  
Notes: 3 hours  
Administering Faculty: Graduate Studies  
Teaching Department: Music Research  
Status (catalog level): Active

MUMT 618  
Credit Weight: 3  
Transcript Title: Comp. Model of Music Acoustics  
Calendar Title: Computational Modeling of Musical Acoustics.  
Description: Methods for discrete-time modeling of musical acoustic systems, with an emphasis on digital waveguide techniques. Delay-based audio effects, artificial reverberation, musical instrument models and "physically-informed" approaches to sound synthesis.  
Notes: Prerequisite: Permission of the instructor  
Note: Prior experience with differential equations, digital filters, Matlab, and C/C++ is required.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

**MUMT 619**
**Credit Weight:** 3
**Transcript Title:** Input Devices for Music. Expr.
**Calendar Title:** Input Devices for Musical Expression.
**Description:**
Basic technologies used in the design of input devices for musical expression, including the most common types of electronic sensors, actuators and associated conditioning circuits with examples of their application to gestural controllers.
**Notes:**
Prerequisite: Permission of the instructor
Prior knowledge of analog electronics required

**MUMT 620**
**Credit Weight:** 3
**Transcript Title:** Gestural Control of Sound Syn.
**Calendar Title:** Gestural Control of Sound Synthesis.
**Description:**
Use of computers as part of novel digital musical instruments, including physical gestures and actions, the design and evaluation of new interfaces for musical expression, and mapping strategies between gestures and sounds.
**Notes:**
Prerequisite: Permission of the instructor
Basic knowledge of sound synthesis methods is required

**MUMT 621**
**Credit Weight:** 3
**Transcript Title:** Mus. Info,Retr.,Acq.,Preserv.
**Calendar Title:** Music Information, Retrieval, Acquisition, Preservation.
**Description:**
Interdisciplinary applications for storing, preserving and retrieving musical information in musicology, music education, music theory, psychology, engineering, and library and information science based on musical similarity, genre classification, timbre recognition, automatic transcription, music representation, and formal analysis.

**MUMT 622**
**Credit Weight:** 3
**Transcript Title:** Time-Freq.&Param. Rep. of Snds
**Calendar Title:** Time-Frequency and Parametric Representations of Sounds.
**Description:**
Research trends in time-frequency representations and parametric modeling in the context of music and audio applications. Specific focus on the analysis of sounds using parametric methods.
Notes:
Prerequisite: Permission of the instructor
Knowledge of sound analysis and resynthesis techniques and of digital signal processing required.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active
MUPD 135  
Credit Weight: 1  
Transcript Title: Music as a Profession 1  
Calendar Title: Music as a Profession 1.  
Description:  
Music Professional Development: An introduction to information, resources, and skills related to physical, mental, and professional well-being for the musician and scholar.  
Notes:  
Open to B.Mus. students or by permission of the instructor.  
Administering Faculty: Schulich School of Music  
Teaching Department: Music Research  
Status (catalog level): Active

MUPD 200  
Credit Weight: 3  
Transcript Title: Intro to Music Marketing  
Calendar Title: Introduction to Music Marketing.  
Description:  
Business models for monetizing music effectively in the digital era; music marketing fundamentals; music value chain; traditional and new marketing tools; publicity, advertising and promotion; the e-press kit; touring and merchandising; online distribution; social network marketing strategies; rebirth of video content; viral marketing; marketing for subscriptions, wireless; global perspectives.  
Administering Faculty: Schulich School of Music  
Teaching Department: Music Research  
Status (catalog level): Active

MUPD 201  
Credit Weight: 3  
Transcript Title: Bus Fundamentals for Musicians  
Calendar Title: Business Fundamentals for Musicians.  
Description:  
Topics pertaining to the music industry and developing a career in music, including: business models, budgeting and financial planning, accounting and taxation, agents, representatives and consultants, contracts and agreements, licensing, rights and rights management, managing human resources, building and working with teams.  
Administering Faculty: Schulich School of Music  
Teaching Department: Music Research  
Status (catalog level): Active

MUPD 204  
Credit Weight: 3  
Transcript Title: Production for Digital Media 1  
Calendar Title: Production for Digital Media 1.  
Description:  
Fundamental video production techniques for music and general applications. Professional video camera operation, lighting and shooting techniques. The lab component of the course includes camera setup and operation during Schulich School of Music productions for live internet streaming. Capture and editing of video, audio, text and graphics for use in creating digital media. Basic techniques of recording audio for video.  
Notes:  
Prerequisite: Permission of the instructor  
Restriction: Enrolment will be limited to 16.
A Macintosh laptop will be an asset.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUPD 205
Credit Weight: 3
Transcript Title: Production for Digital Media 2
Calendar Title: Production for Digital Media 2.
Description: Editing, mixing, and exporting, audio, video, text and graphics. Compression and synchronization. Post-production: ProTools for sound editing and multi-channel mixing. Final Cut Pro for video editing and mixing. Practical application of these tools. Critical listening and viewing skills.
Notes: Prerequisites: MUPD 204 and permission of the instructor

MUPD 235
Credit Weight: 1
Transcript Title: Music as a Profession 2
Calendar Title: Music as a Profession 2.
Description: An overview of the responsibilities and skills required of professions in music and of the varied career paths leading from a music degree.
Notes: Open to BMus students in U2 and U3, or by permission of the instructor.
Prerequisite(s): MUPD 135
Restriction(s): Not open to students who have taken MUPD 136.

MUPD 350
Credit Weight: 3
Transcript Title: Applied Projects for Musicians
Calendar Title: Applied Projects for Musicians.
Description: Project-based course aimed at providing students with the skills required in the evolving music business, through analysis of case studies and developing projects focused around music entrepreneurship. Teams of three or four students will plan and implement a creative, collaborative project, synthesizing and putting into practice business and entrepreneurial skills. They will develop a pitch for their project, present their project, and write it up in a final paper. Students will also be required to write a reflection paper on process, teamwork, skill development, and outcomes.
Notes: Prerequisite(s): MGPO 362
Restriction(s): Priority given to students in the Minor in Music Entrepreneurship; open to other students with permission of the instructor.
MUPD 473
Credit Weight: 1
Transcript Title: Special Project: Prof Develop 1
Calendar Title: Special Project: Professional Development 1.
Description:
Special project in professional development.
Notes:
Music students must complete a Special Project Proposal Form available from the Music Student Affairs Office and submit it to the Chair of the student's department for approval. This course will be counted towards Music and/or Free Electives in B.Mus. programs.
Prerequisite: Permission of Department Chair and Associate Dean (Student and Academic Affairs).
Restrictions: Open to Music students after completing 30 credits of a 90-credit program or 45 credits of a 120-credit program; minimum CGPA 3.00.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUPD 474
Credit Weight: 2
Transcript Title: Special Project: Prof Develop 2
Calendar Title: Special Project: Professional Development 2.
Description:
Special project in professional development.
Notes:
Music students must complete a Special Project Proposal Form available from the Music Student Affairs Office and submit it to the Chair of the student's department for approval. This course will be counted towards Music and/or Free Electives in B.Mus. programs.
Prerequisite: Permission of Department Chair and Associate Dean (Student and Academic Affairs).
Restrictions: Open to Music students after completing 30 credits of a 90-credit program or 45 credits of a 120-credit program; minimum CGPA 3.00.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUPD 475
Credit Weight: 3
Transcript Title: Special Project: Prof Develop 3
Calendar Title: Special Project: Professional Development 3.
Description:
Special project in professional development.
Notes:
Music students must complete a Special Project Proposal Form available from the Music Student Affairs Office and submit it to the Chair of the student's department for approval. This course will be counted towards Music and/or Free Electives in B.Mus. programs.
Prerequisite: Permission of Department Chair and Associate Dean (Student and Academic Affairs).
Restrictions: Open to Music students after completing 30 credits of a 90-credit program or 45 credits of a 120-credit program; minimum CGPA 3.00.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUPD 499
Credit Weight: 3
Transcript Title: Internship: Mus Prof Develop
Calendar Title: Internship: Music Professional Development.
Description:
Music internship in professional development with an approved host institution or organization.
Notes:
Music students must complete an Internship Proposal Form available from the Music Student Affairs Office and submit it to the Chair of the student's department for approval. This course will be counted towards Music and/or Free Electives in B.Mus. programs.
Prerequisite: Permission of Department Chair and the Associate Dean (Student and Academic Affairs).
Restrictions: Open to Music students after completing 30 credits of a 90-credit program or 45 credits of an 120-credit program; minimum CGPA 2.70.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUPD 560
Credit Weight: 1
Transcript Title: Music Info and Research Skills
Calendar Title: Music Information and Research Skills.
Description:
Introduction to music information and research skills, including navigation of music information systems and tools, finding and evaluating online and physical resources, and documenting research through appropriate citations; introduction to writing performance-related content (e.g., program/liner notes, grant proposals).
Notes:
Prerequisites: MUHL 286 and one 300-level MUHL or MUPP course
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUPD 580
Credit Weight: 2
Transcript Title: Piano Pedagogy Practicum
Calendar Title: Piano Pedagogy Practicum.
Description:
Observation of studio and master class teaching, videotaped private instruction, and adjudication of student performances.
Notes:
Restriction: Open to pianists in the graduate piano and Artist Diploma programs. Limited enrolment.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPD 650
Credit Weight: 3
Transcript Title: Research Methods in Music
Calendar Title: Research Methods in Music.
Description:
This interdisciplinary lecture offers an overview of the fundamental principles of research in music. Emphasis is placed on acquainting students with the methods and techniques most commonly used to study music and musical processes. Topics include approaches and theories, artistic research, research project design, procedures for carrying out research, as well as both qualitatively- and quantitatively-oriented methods of data collection, processing and analysis.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active
MUPG 209
Credit Weight: 1
Transcript Title: Introduction to Lyric Diction
Calendar Title: Introduction to Lyric Diction.
Description:
Rules of lyric diction and the sounds of the International Phonetic Alphabet (IPA).
Notes:
1 hour
Restriction: Open to singers and collaborative pianists.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 210
Credit Weight: 2
Transcript Title: Italian Diction
Calendar Title: Italian Diction.
Description:
Study of International Phonetic Alphabet. Study of Italian pronunciation in singing using song and opera texts.
Symbols: LIMT - Limited enrolment
Notes:
2 hours
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 211
Credit Weight: 2
Transcript Title: French Diction
Calendar Title: French Diction.
Description:
Study of French pronunciation in singing using song and opera texts.
Symbols: LIMT - Limited enrolment
Notes:
2 hours
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 212
Credit Weight: 2
Transcript Title: English Diction
Calendar Title: English Diction.
Description:
Study of International Phonetic Alphabet. Study of Standard English pronunciation in singing using song and opera texts with a special emphasis on problematic vowels, diphthongs and consonants.
Symbols: LIMT - Limited enrolment
Notes:
2 hours
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 213
Credit Weight: 2  
Transcript Title: German Diction  
Calendar Title: German Diction.  
Description:  
Study of German pronunciation in singing using song and opera texts.  
Symbols: LIMT - Limited enrolment  
Notes:  
2 hours  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 229  
Credit Weight: 1  
Transcript Title: Trad Drumming 1: Rudiments  
Calendar Title: Traditional Drumming 1: Rudiments.  
Description:  
Rudiments based on the French, Swiss, American and British styles.  
Notes:  
1 hour  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 272D1  
Credit Weight: 2  
Transcript Title: Continuo  
Calendar Title: Continuo.  
Description:  
An historically-oriented study of the principles of figured-bass. The student will realize at sight elementary bass patterns. Standard idioms from historical treatises will be introduced.  
Symbols: LIMT - Limited enrolment  
Notes:  
2 hours  
Prerequisites: MUTH 150 and permission of instructor.  
Students must register for both MUPG 272D1 and MUPG 272D2.  
No credit will be given for this course unless both MUPG 272D1 and MUPG 272D2 are successfully completed in consecutive terms  
Enrolment limited to 6.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 272D2  
Credit Weight: 2  
Transcript Title: Continuo  
Calendar Title: Continuo.  
Description:  
See MUPG 272D1 for course description.  
Notes:  
Prerequisite: MUPG 272D1  
No credit will be given for this course unless both MUPG 272D1 and MUPG 272D2 are successfully completed in consecutive terms  
2 hours  
Enrolment limited to 6.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 296
Credit Weight: 1
Transcript Title: Acting for Voice
Calendar Title: Acting for Voice.
Description: Acting methods focused on improvisation, open scenes, and script analysis, including Laban theory and character development based on environments, relationships, objectives, obstacles, tactics and stakes.
Notes: 1 hour
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 297
Credit Weight: 1
Transcript Title: Movement for Voice
Calendar Title: Movement for Voice.
Description: Critical awareness of the body in space, interpersonal and intrapersonal knowledge of one's own spine, torso, and extremities and their function in movement as well as stillness. Methods may include Feldenkreis, period dance, Tai Chi and/or Alexander Technique.
Notes: 1 hour
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 300
Credit Weight: 2
Transcript Title: Music Performance Strategies
Calendar Title: Music Performance Strategies.
Description: Based on the theoretical framework of sports psychology. Students explore the existing practicing and coping strategies for music performance: i.e. stress models and theories, stress physiological response, stress management, cognitive and physiological techniques (e.g. mental imagery, time management, attention/concentration, memory, relaxation and meditation, etc.). Assignments include practical exercises and written reflection on personal practice.
Notes: Restriction(s): Only open to B.Mus. students in U2 and U3, A.Dip. students, or with permission from the instructor. Not open to students who have taken MUPG 474 when topic/content was "Music Performance Strategies".
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 309
Credit Weight: 1
Transcript Title: Advanced Diction
Calendar Title: Advanced Diction.
Description:
Advanced lyric diction.

Notes:
Prerequisite: MUPG 209
Restriction: Open to singers and collaborative pianists.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 315D1
Credit Weight: 2
Transcript Title: Intro to Orchestral Conducting
Calendar Title: Introduction to Orchestral Conducting.
Description:
Notes:
2 hours
Prerequisites: MUTH 250, MUSP 240, MUCC 260, MUGT 215, and permission of instructor.
Students must register for both MUPG 315D1 and MUPG 315D2.
No credit will be given for this course unless both MUPG 315D1 and MUPG 315D2 are successfully completed in consecutive terms.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 315D2
Credit Weight: 2
Transcript Title: Intro to Orchestral Conducting
Calendar Title: Introduction to Orchestral Conducting.
Description:
See MUPG 315D1 for course description.
Notes:
Prerequisite: MUPG 315D1
No credit will be given for this course unless both MUPG 315D1 and MUPG 315D2 are successfully completed in consecutive terms.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 316D1
Credit Weight: 2
Transcript Title: Intro to Choral Conducting
Calendar Title: Introduction to Choral Conducting.
Description:
Group conducting tutorial. Technical and interpretive development and preparation of the conducting minor project.
Notes:
Students must register for both MUPG 316D1 and MUPG 316D2.
No credit will be given for this course unless both MUPG 316D1 and MUPG 316D2 are successfully completed in consecutive terms.
Restriction(s): Open to students in the Minor in Conducting.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

**MUPG 316D2**

**Credit Weight:** 2  
**Transcript Title:** Intro to Choral Conducting  
**Calendar Title:** Introduction to Choral Conducting.  
**Description:** See MUPG 316D1 for description.  
**Notes:** Prerequisite: MUPG 316D1  
No credit will be given for this course unless both MUPG 316D1 and MUPG 316D2 are successfully completed in consecutive terms.  
**Restriction(s):** Open to students in the Minor in Conducting.  
**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 325**

**Credit Weight:** 2  
**Transcript Title:** Improv for String Players  
**Calendar Title:** Improvisation for String Players.  
**Description:** Improvisation from its use in the early baroque to present day repertoire.  
**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 326**

**Credit Weight:** 2  
**Transcript Title:** Intro to String Pedagogy  
**Calendar Title:** Introduction to String Pedagogy.  
**Description:** The pedagogy of string playing through performing techniques and instructional materials including: etudes, scale systems and graded repertoire for technical and musical advancement on the specific instrument.  
**Notes:** Prerequisite: MUIN 382  
**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 328**

**Credit Weight:** 1  
**Transcript Title:** Intro to Percussion Pedagogy  
**Calendar Title:** Introduction to Percussion Pedagogy.  
**Description:** An introduction to the pedagogy of percussion playing through performing techniques and instructional materials including: etudes, scale systems and graded repertoire for technical and musical advancement on the specific instrument.  
**Notes:** Prerequisite(s): MUIN 282  
**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 329**
Credit Weight: 1  
Transcript Title: Trad Drumming 2: Hand Drumming  
Calendar Title: Traditional Drumming 2: Hand Drumming.  
Description:  
Basic hand drumming techniques and rhythmic patterns based on world music traditions.  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUPG 331  
Credit Weight: 2  
Transcript Title: Intro to Woodwind Pedagogy  
Calendar Title: Introduction to Woodwind Pedagogy.  
Description:  
The pedagogy of woodwind playing through performing techniques and instructional materials including: etudes and scale systems and graded repertoire for technical and musical advancement on the specific instrument.  
Notes:  
Prerequisite: MUIN 382  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUPG 336  
Credit Weight: 2  
Transcript Title: Introduction to Brass Pedagogy  
Calendar Title: Introduction to Brass Pedagogy.  
Description:  
An introduction to the pedagogy of brass playing through performing techniques and instructional materials including: etudes, scale systems and graded repertoire for technical and musical advancement on the specific instrument.  
Notes:  
Prerequisite: MUIN 382  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUPG 350  
Credit Weight: 2  
Transcript Title: Introduction to Piano Pedagogy  
Calendar Title: Introduction to Piano Pedagogy.  
Description:  
An introduction to pedagogical methods, philosophies and materials, including selected graded repertoire and materials for technical and musical advancement on the instrument.  
Notes:  
Prerequisite: MUIN 382  
Administering Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active  

MUPG 353  
Credit Weight: 2  
Transcript Title: Song Repertoire Class  
Calendar Title: Song Repertoire Class.
Art song repertoire from the late eighteenth century to the present, including the reciprocal relationship between poet and composer and its expression through performance and performance history.

**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 356**  
**Credit Weight:** 2  
**Transcript Title:** Piano Repertoire Studies 1  
**Calendar Title:** Piano Repertoire Studies 1.  
**Description:**  
Selected keyboard and piano repertoire to 1830.

**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 357**  
**Credit Weight:** 2  
**Transcript Title:** Piano Repertoire Studies 2  
**Calendar Title:** Piano Repertoire Studies 2.  
**Description:**  
Selected piano repertoire from 1830 to the present. Familiarity with scores and recorded examples will be required.

**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 372D1**  
**Credit Weight:** 1  
**Transcript Title:** Continuo  
**Calendar Title:** Continuo.  
**Description:**  
A study of 17th and 18th Century styles of figured-bass accompaniment as revealed in contemporary sources. The emphasis will be on the realization at the keyboard of representative works using original sources.

**Symbols:** LIMT - Limited enrolment  
**Notes:**  
1 hour  
Prerequisites: MUPG 272 AND permission of instructor. Enrolment limited to 4 students must register for both MUPG 372D1 and MUPG 372D2. No credit will be given for this course unless both MUPG 372D1 and MUPG 372D2 are successfully completed in consecutive terms

**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 372D2**  
**Credit Weight:** 1  
**Transcript Title:** Continuo  
**Calendar Title:** Continuo.  
**Description:**  
See MUPG 372D1 for course description.  
**Notes:**  
Prerequisite: MUPG 372D1
No credit will be given for this course unless both MUPG 372D1 and MUPG 372D2 are successfully completed in consecutive terms.

**Administrating Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

### MUPG 380

**Credit Weight:** 2  
**Transcript Title:** Oratorio Class  
**Calendar Title:** Oratorio Class.  
**Description:** Standard solo oratorio repertoire with an emphasis on performance, performance practice and the interpretation of sacred text within a concert setting.

**Administrating Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

### MUPG 410

**Credit Weight:** 1  
**Transcript Title:** Violin Orchestral Excerpts  
**Calendar Title:** Violin Orchestral Excerpts.  
**Description:** Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.  
**Notes:** Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

**Administrating Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

### MUPG 411

**Credit Weight:** 1  
**Transcript Title:** Viola Orchestral Excerpts  
**Calendar Title:** Viola Orchestral Excerpts.  
**Description:** Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.  
**Notes:** Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

**Administrating Faculty:** Schulich School of Music  
**Teaching Department:** Performance  
**Status (catalog level):** Active

### MUPG 412

**Credit Weight:** 1  
**Transcript Title:** Cello Orchestral Excerpts  
**Calendar Title:** Cello Orchestral Excerpts.  
**Description:** Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.  
**Notes:**
Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 413**

**Credit Weight:** 1

**Transcript Title:** Double Bass Orch. Excerpts

**Calendar Title:** Double Bass Orchestral Excerpts.

**Description:**
Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.

**Notes:**
Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 414**

**Credit Weight:** 1

**Transcript Title:** Woodwinds Orchestral Excerpts

**Calendar Title:** Woodwinds Orchestral Excerpts.

**Description:**
Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.

**Notes:**
Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 415**

**Credit Weight:** 1

**Transcript Title:** Brass Orchestral Excerpts

**Calendar Title:** Brass Orchestral Excerpts.

**Description:**
Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.

**Notes:**
Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

**Administering Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 416**

**Credit Weight:** 1

**Transcript Title:** Percussion Orchestral Excerpts

**Calendar Title:** Percussion Orchestral Excerpts.

**Description:**
Study of excerpts from the orchestral literature, highlighting the standard audition materials for major symphony orchestras; mental preparation skills for orchestral auditions.

Notes:
Open to U1, U2 and U3 students in the B.Mus. Performance program, and others by permission of the instructor.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 425
Credit Weight: 2
Transcript Title: Extended Techniques - Strings
Calendar Title: Extended Techniques - Strings.
Description:
Extended techniques for strings; including physical production, original etudes and transcriptions toward the development, mastery and performance of each technique.

Notes:
Prerequisite: MUIN 382
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 429
Credit Weight: 2
Transcript Title: Percussion Seminar
Calendar Title: Percussion Seminar.
Description:
Topics ranging from orchestral literature to solo repertoire.

Notes:
Topics will vary semester to semester.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 431
Credit Weight: 2
Transcript Title: Extended Techniques - Woodwinds
Calendar Title: Extended Techniques - Woodwinds.
Description:
Extended techniques for woodwinds; including physical production, original etudes and transcriptions toward the development, mastery and performance of each technique.

Notes:
Prerequisite: MUIN 382

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 435
Credit Weight: 2
Transcript Title: Extended Techniques - Brass
Calendar Title: Extended Techniques - Brass.
Description:
An investigation into the area of extended techniques for brass; physical
production, original etudes, and transcriptions toward the development, mastery, and performance of each technique.

Notes:
Prerequisite: MUIN 382  
Administrating Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 453  
Credit Weight: 2  
Transcript Title: Contemporary Rep for Voice  
Calendar Title: Contemporary Repertoire for Voice.  
Description: Techniques on learning and performing music from the beginning of atonality to music of the present day. Exploration of unique notations and extended vocal techniques.

Notes:  
Prerequisite: Audition  
Administrating Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 473  
Credit Weight: 1  
Transcript Title: Special Project in Performance  
Calendar Title: Special Project in Performance.  
Description: For details, contact the Department of Performance.  
Administrating Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 474  
Credit Weight: 2  
Transcript Title: Special Project in Performance  
Calendar Title: Special Project in Performance.  
Description: For details, contact the Department of Performance.  
Administrating Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 475  
Credit Weight: 3  
Transcript Title: Special Project in Performance  
Calendar Title: Special Project in Performance.  
Description: For details, contact the Department of Performance.  
Administrating Faculty: Schulich School of Music  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 541  
Credit Weight: 2  
Transcript Title: Senior Piano Seminar 1  
Calendar Title: Senior Piano Seminar 1.  
Description:
In-class performance and analysis of solo and ensemble repertoire, including historical and modern recordings.

**Notes:**
3 hours
Prerequisite(s): MUIN 382 or MUIN 352, and 4 semesters of Basic Ensemble.
Restriction: Only open to Faculty of Music Piano Performance students

**Administrating Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 542**

**Credit Weight:** 2

**Transcript Title:** Senior Piano Seminar 2

**Calendar Title:** Senior Piano Seminar 2.

**Description:**
Issues of piano pedagogy and preparation for competitions.

**Notes:**
3 hours
Prerequisite: MUPG 541
Restriction: Only open to Faculty of Music Piano Performance students.

**Administrating Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 571**

**Credit Weight:** 1

**Transcript Title:** Free Improvisation 1

**Calendar Title:** Free Improvisation 1.

**Description:**
Introduction to the creative practice of improvisation for performers. The course focuses on the development of listening as applied to the practice of collective and solo improvisation.

**Notes:**
Prerequisite(s): Audition.
Restriction(s): Available to Music students; open to others by permission of the department. Not open to Jazz students. Not open to students who have taken MUEN 571.

**Administrating Faculty:** Schulich School of Music

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 572D1**

**Credit Weight:** 0.5

**Transcript Title:** Free Improvisation 2

**Calendar Title:** Free Improvisation 2.

**Description:**
This course is designed for performers who want to develop their skills as advanced improvisers. Both collective and solo contexts are addressed as performance practices, touching upon the history of improvisation as well as current trends.

**Notes:**
Prerequisite(s): MUPG 571 or MUJZ 224
No credit will be given for this course unless both MUPG 572D1 and MUPG 572D2 are successfully completed in consecutive terms

**Administrating Faculty:** Schulich School of Music

**Teaching Department:** Performance
Status (catalog level): Active

MUPG 572D2
Credit Weight: 0.5
Transcript Title: Free Improvisation 2
Calendar Title: Free Improvisation 2.
Description: This course is designed for performers who want to develop their skills as advanced improvisers. Both collective and solo contexts are addressed as performance practices, touching upon the history of improvisation as well as current trends.
Notes:
Prerequisite(s): MUPG 571 or MUJZ 224 and MUPG 572D1
Prerequisite: MUPG 572D1
No credit will be given for this course unless both MUPG 572D1 and MUPG 572D2 are successfully completed in consecutive terms.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 575D1
Credit Weight: 1.5
Transcript Title: Organ Rep. and Perf. Practice
Calendar Title: Organ Repertoire and Performance Practice.
Description: Seminar covering topics related to organ playing, such as liturgical organ playing, organ repertoire and improvisation.
Notes:
1. 1 1/2 hours
2. Students must register for both MUPG 575D1 and MUPG 575D2.
3. No credit will be given for this course unless both MUPG 575D1 and MUPG 575D2 are successfully completed in consecutive terms.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 575D2
Credit Weight: 1.5
Transcript Title: Organ Rep. and Perf. Practice
Calendar Title: Organ Repertoire and Performance Practice.
Description: For description see MUPG 575D1.
Notes:
Prerequisite(s): MUPG 575D1.
1. 1 1/2 hours
2. Students must register for both MUPG 575D1 and MUPG 575D2.
3. No credit will be given for this course unless both MUPG 575D1 and MUPG 575D2 are successfully completed in consecutive terms.
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 580
Credit Weight: 1.5
Transcript Title: Rehearsal Tech for Conductors
Calendar Title: Rehearsal Techniques for Conductors.
Description:
Exploration of rehearsal techniques used by conductors and coaches in a variety of
different settings (at McGill and in the larger Montreal community) including
orchestra, orchestra sectionals, contemporary music ensembles, wind ensembles,
early music ensembles, choral ensembles, jazz ensembles, chamber music ensembles,
and opera through observation and discussion.

Notes:
Restriction: Open to graduate students in choral, wind, and orchestra conducting
or with the permission of instructor

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 590
Credit Weight: 3
Transcript Title: Vocal Styles and Conventions
Calendar Title: Vocal Styles and Conventions.
Description:
Emphasis on vocal performance practices through practical application: text,
language, inflection, pronunciation and interpretation considered with
individuality of each student's voice and technical development. After examining
historical treatises, students will discuss and present musical selections
utilizing modern performance standards yet remaining true to stylistic demands of
each period.

Notes:
3 hours
Restriction: Not open to students who have taken MUPG 690.

Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPG 600
Credit Weight: 9
Transcript Title: Recital Project 1
Calendar Title: Recital Project 1.
Description:
Solo recital, collaborative piano recital, conducting recital or principal Opera
Role (by audition) with program notes.

Notes:
Solo recital (60-70 minutes), collaborative piano recital (60-70 minutes),
conducting recital (30-35 minutes) or Principal Opera Role as defined by the
American Guild of Musical Artists' website (http://musicalartists.org), Lead,
Schedule C

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 600D1
Credit Weight: 4.5
Transcript Title: Recital Project 1
Calendar Title: Recital Project 1.
Description:
Solo recital, collaborative piano recital, conducting recital or principal Opera
Role (by audition) with program notes.

Notes:
Solo recital (60-70 minutes), collaborative piano recital (60-70 minutes),
conducting recital (30-35 minutes) or Principal Opera Role as defined by the American Guild of Musical Artists' website (http://musicalartists.org), Lead, Schedule C
Students must register for both MUPG 600D1 and MUPG 600D2
No credit will be given for this course unless both MUPG 600D1 and MUPG 600D2 are successfully completed in consecutive terms
MUPG 600D1 and MUPG 600D2 together are equivalent to MUPG 600

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUPG 600D2**

**Credit Weight:** 4.5

**Transcript Title:** Recital Project 1

**Calendar Title:** Recital Project 1.

**Description:**
See MUPG 600D1 for course description.

**Notes:**
Prerequisite: MUPG 600D1
No credit will be given for this course unless both MUPG 600D1 and MUPG 600D2 are successfully completed in consecutive terms
MUPG 600D1 and MUPG 600D2 together are equivalent to MUPG 600
Solo recital (60-70 minutes), collaborative piano recital (60-70 minutes), conducting recital (35-40 minutes) or Principal Opera Role as defined by the American Guild of Musical Artists' website (http://musicalartists.org), Lead, Schedule C

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUPG 601**

**Credit Weight:** 9

**Transcript Title:** Recital Project 2

**Calendar Title:** Recital Project 2.

**Description:**
Solo recital, collaborative piano recital, conducting recital or principal opera role (by audition) with program notes. May include chamber music providing none of the repertoire was prepared in a chamber ensemble taken for credit.

**Notes:**
Solo recital (60-70 minutes), collaborative piano recital (60-70 minutes), conducting recital (35-40 minutes) or principal opera role (by audition) as defined by the American Guild of Musical Artists' website (http://musicalartists.org), Lead, Schedule C

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUPG 601D1**

**Credit Weight:** 4.5

**Transcript Title:** Recital Project 2

**Calendar Title:** Recital Project 2.

**Description:**
Solo recital, collaborative piano recital, conducting recital or principal opera role (by audition) with program notes. May include chamber music providing none of the repertoire was prepared in a chamber ensemble taken for credit.

**Notes:**
Solo recital (60-70 minutes), collaborative piano recital (60-70 minutes),
conducting recital (35-40 minutes) or principal opera role (by audition) as defined by the American Guild of Musical Artists' website (http://musicalartists.org), Lead, Schedule C

Students must register for both MUPG 601D1 and MUPG 601D2
No credit will be given for this course unless both MUPG 601D1 and MUPG 601D2 are successfully completed in consecutive terms
MUPG 601D1 and MUPG 601D2 together are equivalent to MUPG 601

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUPG 601D2**

**Credit Weight:** 4.5

**Transcript Title:** Recital Project 2

**Calendar Title:** Recital Project 2.

**Description:**
See MUPG 601D1 for course description.

**Notes:**
Prerequisite: MUPG 601D1
No credit will be given for this course unless both MUPG 601D1 and MUPG 601D2 are successfully completed in consecutive terms
MUPG 601D1 and MUPG 601D2 together are equivalent to MUPG 601
Solo recital (60-70 minutes), collaborative piano recital (60-70 minutes), conducting recital (35-40 minutes) or principal opera role (by audition) as defined by the American Guild of Musical Artists' website (http://musicalartists.org), Lead, Schedule C

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUPG 602**

**Credit Weight:** 6

**Transcript Title:** Recital Project 3

**Calendar Title:** Recital Project 3.

**Description:**
Recital, conducting recital or featured opera role (by audition) with program notes.

**Notes:**
Recital (30-40 minutes), conducting recital (20-25 minutes) or featured opera role (by audition) as defined by the American Guild of Musical Artists' website (http://musicalartists.org), Featured, Schedule C

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

**MUPG 603**

**Credit Weight:** 3

**Transcript Title:** Recital Project 4

**Calendar Title:** Recital Project 4.

**Description:**
Concerto performance with orchestra (for the concerto competition or other competition in Montreal) or supporting opera role (by audition) with program notes.

**Notes:**
Supporting Opera Role as defined by the American Musical Artists' website (http://musicalartists.org), Supporting, Schedule C

**Administering Faculty:** Graduate Studies
Teaching Department: Performance  
Status (catalog level): Active

MUPG 604
Credit Weight: 6  
Transcript Title: Chamber Music Recital  
Calendar Title: Chamber Music Recital.  
Description: Chamber Music Recital with program notes. Repertoire may not include works performed in MUEN courses. Various instrumentations permitted as long as student performs in all works.  
Notes: Chamber Music Recital (60-70 minutes). If single ensemble, recital may be taken for credit by all participating students, by approval of department.  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 606
Credit Weight: 3  
Transcript Title: Interdisciplinary Project 1  
Calendar Title: Interdisciplinary Project 1.  
Description: Research-creation involving collaboration between different disciplines resulting in a new work, interpretation or contribution to knowledge presented in public or through recorded media (e.g., performer and composer; performer and actor/dancer; performer and CIRMMT researcher; performer and sound recording student) with program notes as relevant.  
Notes: Departmental Meeting on November 11, 2021.  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 607
Credit Weight: 6  
Transcript Title: Interdisciplinary Project 2  
Calendar Title: Interdisciplinary Project 2.  
Description: Research-creation involving collaboration between different disciplines resulting in a new work, interpretation or contribution to knowledge presented in public (i.e., performer-composer commission); performance and actor/dancer collaboration, participant as co-researcher in CIRMMT study including participation in analysis of data, etc.) with program notes as relevant.  
Notes: Performer-composer commission of 10-20 minutes. By proposal only and approval of the Department.  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 607D1
Credit Weight: 3  
Transcript Title: Interdisciplinary Project 2  
Calendar Title: Interdisciplinary Project 2.  
Description: 
Research-creation involving collaboration between different disciplines resulting in a new work, interpretation or contribution to knowledge presented in public (i.e., performer-composer commission); performance and actor/dancer collaboration, participant as co-researcher in CIRMMT study including participation in analysis of data, etc.) with program notes as relevant.

Notes:
Performer-composer commission of 10-20 minutes. By proposal only and approval of the Department.
Students must register for both MUPG 607D1 and MUPG 607D2
No credit will be given for this course unless both MUPG 607D1 and MUPG 607D2 are successfully completed in consecutive terms
MUPG 607D1 and MUPG 607D2 together are equivalent to MUPG 607

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 607D2
Credit Weight: 3
Transcript Title: Interdisciplinary Project 2
Calendar Title: Interdisciplinary Project 2.
Description: See MUPG 607D1 for course description.
Notes:
Prerequisite: MUPG 607D1
Performer-composer commission of 10-20 minutes. By proposal only and approval of the Department.
No credit will be given for this course unless both MUPG 607D1 and MUPG 607D2 are successfully completed in consecutive terms
MUPG 607D1 and MUPG 607D2 together are equivalent to MUPG 607

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 608
Credit Weight: 3
Transcript Title: Orchestral Repertoire Exam 1
Calendar Title: Orchestral Repertoire Examination 1.
Description: Performance of selected excerpts from standard orchestral repertoire.
Notes:
Minimum 10 excerpts; maximum exam duration 25 minutes.
Restriction: Not open to students who have taken MUPG 609, MUPG 609D1/D2, MUPG 610 or MUPG 610D1/D2

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 609
Credit Weight: 6
Transcript Title: Orchestral Repertoire Exam 2
Calendar Title: Orchestral Repertoire Examination 2.
Description: Performance of selected excerpts from standard orchestral repertoire.
Notes:
Restriction: Not open to students who have taken MUPG 608 or MUPG 610 or MUPG 610D1/D2
Minimum 20 excerpts; maximum exam duration of 40 minutes.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active

**MUPG 609D1**  
**Credit Weight:** 3  
**Transcript Title:** Orchestral Repertoire Exam 2  
**Calendar Title:** Orchestral Repertoire Examination 2.  
**Description:**  
Performance of selected excerpts from standard orchestral repertoire.  
**Notes:**  
Restriction: Not open to students who have taken MUPG 608 or MUPG 610 or MUPG 610D1/D2  
Minimum 20 excerpts; maximum exam duration of 40 minutes.  
Students must register for both MUPG 609D1 and MUPG 609D2  
No credit will be given for this course unless both MUPG 609D1 and MUPG 609D2 are successfully completed in consecutive terms  
MUPG 609D1 and MUPG 609D2 together are equivalent to MUPG 609

**MUPG 609D2**  
**Credit Weight:** 3  
**Transcript Title:** Orchestral Repertoire Exam 2  
**Calendar Title:** Orchestral Repertoire Examination 2.  
**Description:**  
See MUPG 609D1 for course description.  
**Notes:**  
Prerequisite: MUPG 609D1  
Restriction: Not open to students who have taken MUPG 608 or MUPG 609 or MUPG 609D1/D2  
Minimum 20 excerpts; maximum exam duration of 40 minutes.  
No credit will be given for this course unless both MUPG 609D1 and MUPG 609D2 are successfully completed in consecutive terms  
MUPG 609D1 and MUPG 609D2 together are equivalent to MUPG 609

**MUPG 610**  
**Credit Weight:** 9  
**Transcript Title:** Orchestral Repertoire Exam 3  
**Calendar Title:** Orchestral Repertoire Examination 3.  
**Description:**  
Performance of wide range of excerpts from orchestral repertoire in all styles and genres.  
**Notes:**  
Restriction: Not open to students who have taken MUPG 608 or MUPG 609 or MUPG 609D1/D2  
Minimum 30 excerpts; maximum exam duration of 80 minutes.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Performance  
**Status (catalog level):** Active
MUPG 610D1
Credit Weight: 4.5
Transcript Title: Orchestral Repertoire Exam 3
Calendar Title: Orchestral Repertoire Examination 3.
Description: Performance of wide range of excerpts from orchestral repertoire in all styles and genres.
Notes: Restriction: Not open to students who have taken MUPG 608 or MUPG 609 or MUPG 609D1/D2
Minimum 30 excerpts; maximum exam duration of 80 minutes.
Students must register for both MUPG 610D1 and MUPG 610D2
No credit will be given for this course unless both MUPG 610D1 and MUPG 610D2 are successfully completed in consecutive terms
MUPG 610D1 and MUPG 610D2 together are equivalent to MUPG 610
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 610D2
Credit Weight: 4.5
Transcript Title: Orchestral Repertoire Exam 3
Calendar Title: Orchestral Repertoire Examination 3.
Description: See MUPG 610D1 for course description.
Notes: Prerequisite: MUPG 610D1
Restriction: Not open to students who have taken MUPG 608 or MUPG 609 or MUPG 609D1/D2
Minimum 30 excerpts; maximum exam duration of 80 minutes.
No credit will be given for this course unless both MUPG 610D1 and MUPG 610D2 are successfully completed in consecutive terms
MUPG 610D1 and MUPG 610D2 together are equivalent to MUPG 610
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 614
Credit Weight: 3
Transcript Title: Quick Study
Calendar Title: Quick Study.
Description: Preparation and performance of short program of vocal, operatic, or collaborative piano repertoire in a limited three week time frame.
Notes: 20–25 minutes of repertoire
Restriction: Open to students in the M.Mus. in Performance; Opera and Voice and in the M.Mus. in Performance; Collaborative Piano programs.
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 634
Credit Weight: 6
Transcript Title: Performance Tutorial 6
**Calendar Title:** Performance Tutorial 6.

**Description:**
Voice coaching, training in movement and acting for singers; individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision for chamber ensembles; for individual artists will be defined around the specific performance projects detailed at audition.

**Notes:**
Restriction: Open to students in the Graduate Diploma in Professional Performance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**Calendar Title:** Performance Tutorial 7.

**Description:**
Voice coaching, training in movement and acting for singers; individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision for chamber ensembles; for individual artists will be defined around the specific performance projects detailed at audition.

**Notes:**
Restriction: Open to students in the Graduate Diploma in Professional Performance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 635**

**Credit Weight:** 6

**Transcript Title:** Performance Tutorial 7

**Calendar Title:** Performance Tutorial 7.

**Description:**
Voice coaching, training in movement and acting for singers; individual artistry, development of group identity with respect to sound, communication skills, performance practice, and artistic/interpretative vision for chamber ensembles; for individual artists will be defined around the specific performance projects detailed at audition.

**Notes:**
Restriction: Open to students in the Graduate Diploma in Professional Performance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 640**

**Credit Weight:** 4

**Transcript Title:** Grad. Dip. Perf. Project 1

**Calendar Title:** Graduate Diploma Performance Project 1.

**Description:**
A public solo, collaborative piano, chamber music or jazz recital, or preparation/presentation of a Featured Opera Role (by audition).

**Notes:**
Restriction(s): Only open to students in the Graduate Diploma in Performance. Recital (40 - 45 minutes), Featured Opera Role (by audition) as defined by the American Guild of Musical Artists. For jazz students, three repertoire streams will be identified: Improvisation or Composition recital will consist entirely of the candidate’s original compositions; jazz composition recital will include a significant large ensemble component (normally at least half). Jazz Orchestra students perform an approved repertoire as lead players and soloists with a large ensemble (usually Jazz Orchestra).

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

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**MUPG 641**

**Credit Weight:** 4

**Transcript Title:** Grad. Dip. Perf. Project 2

**Calendar Title:** Graduate Diploma Performance Project 2.

**Description:**
A second public solo, collaborative piano, chamber music or jazz recital, or
preparation/presentation of a Featured Opera Role (by audition).

Notes:
Restriction(s): Only open to students in the Graduate Diploma in Performance.
Recital (40 - 45 minutes), Featured Opera Role (by audition) as defined by the American Guild of Musical Artists. For jazz students, three repertoire streams will be identified: Improvisation or Composition recital will consist entirely of the candidate’s original compositions; jazz composition recitals will include a significant large ensemble component (normally at least half). Jazz Orchestra students perform an approved repertoire as lead players and soloists with a large ensemble (usually Jazz Orchestra).

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 642
Credit Weight: 8
Transcript Title: Grad. Dip. Perf. Project 3
Calendar Title: Graduate Diploma Performance Project 3.
Description:
A public solo, collaborative piano, chamber music or jazz recital, orchestral excerpts, or preparation/presentation of a Lead Opera Role (by audition).

Notes:
Specific restrictions may apply to the studio recording option depending on available resources.
Restriction: Open to students in the Graduate Diploma in Professional Performance.
Recital (60-70 minutes): or Lead Opera Role (by audition) as defined by the American Guild of Musical Artists. For jazz students, three repertoire streams will be identified. Jazz Improvisation or Composition recital will consist primarily of the candidate’s original compositions; Jazz Improvisation recital may include some standard repertoire; Jazz Composition recital will include a significant large ensemble component (normally at least half) and may include some original arrangements. Jazz Orchestra students perform an approved repertoire as lead players and soloists with a large ensemble (usually Jazz Orchestra).

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 642D1
Credit Weight: 4
Transcript Title: Grad. Dip. Perf. Project 3
Calendar Title: Graduate Diploma Performance Project 3.
Description:
A public solo, collaborative piano, chamber music or jazz recital, orchestral excerpts, or preparation/presentation of a Lead Opera Role (by audition).

Notes:
Specific restrictions may apply to the studio recording option depending on available resources.
Restriction: Open to students in the Graduate Diploma in Professional Performance.
Recital (60-70 minutes): or Lead Opera Role (by audition) as defined by the American Guild of Musical Artists. For jazz students, three repertoire streams will be identified. Jazz Improvisation or Composition recital will consist primarily of the candidate’s original compositions; Jazz Improvisation recital may include some standard repertoire; Jazz Composition recital will include a significant large ensemble component (normally at least half) and may include
some original arrangements. Jazz Orchestra students perform an approved repertoire as lead players and soloists with a large ensemble (usually Jazz Orchestra).

Students must register for both MUPG 642D1 and MUPG 642D2. No credit will be given for this course unless both MUPG 642D1 and MUPG 642D2 are successfully completed in consecutive terms. MUPG 642D1 and MUPG 642D2 together are equivalent to MUPG 642.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

### MUPG 642D2

**Credit Weight:** 4

**Transcript Title:** Grad. Dip. Perf. Project 3

**Calendar Title:** Graduate Diploma Performance Project 3.

**Description:**
A public solo, collaborative piano, chamber music or jazz recital, orchestral excerpts, or preparation/presentation of a Lead Opera Role (by audition).

**Notes:**
Specific restrictions may apply to the studio recording option depending on available resources.

Restriction: Open to students in the Graduate Diploma in Professional Performance.

Recital (60-70 minutes): or Lead Opera Role (by audition) as defined by the American Guild of Musical Artists. For jazz students, three repertoire streams will be identified. Jazz Improvisation or Composition recital will consist primarily of the candidate’s original compositions; Jazz Improvisation recital may include some standard repertoire; Jazz Composition recital will include a significant large ensemble component (normally at least half) and may include some original arrangements. Jazz Orchestra students perform an approved repertoire as lead players and soloists with a large ensemble (usually Jazz Orchestra).

**Prerequisite:** MUPG 642D1

No credit will be given for this course unless both MUPG 642D1 and MUPG 642D2 are successfully completed in consecutive terms. MUPG 642D1 and MUPG 642D2 together are equivalent to MUPG 642.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active

### MUPG 643

**Credit Weight:** 4

**Transcript Title:** Grad. Dip. Interdisc. Project

**Calendar Title:** Graduate Diploma Interdisciplinary Project.

**Description:**
Research-creation involving collaboration between different disciplines resulting in a new work, interpretation or contribution to knowledge presented in public or through recorded media (e.g., performer and composer; performer and actor/dancer; performer and CIRMMT researcher; performer and sound recording student (classical stream), with program notes as relevant.

**Notes:**
Restriction: Open to students in the Graduate Diploma in Professional Performance.

By proposal only and with approval of the Department.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Performance

**Status (catalog level):** Active
MUPG 644
Credit Weight: 4
Transcript Title: Grad Dip. Concerto Performance
Calendar Title: Graduate Diploma Concerto Performance.
Description: Concerto performance.
Notes: Specific restrictions may apply to the studio recording option depending upon available resources.
Restriction(s): Open to students in the Graduate Diploma in Performance.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 645
Credit Weight: 4
Transcript Title: Grad. Dip. Recording Project
Calendar Title: Graduate Diploma Recording Project.
Description: Studio recording with liner notes, by approval of the department.
Notes: Restriction(s): Only open to Jazz students in the Graduate Diploma in Performance.
For Jazz students only: three repertoire streams will be identified:
Improvisation or Composition recital will consist mostly of the candidate’s original compositions (normally at least half); jazz composition recital will include a significant large ensemble component (normally at least half). Jazz Orchestra students perform an approved repertoire as lead players and soloists with a large ensemble (usually Jazz Orchestra). By proposal and with approval of the Department.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 648
Credit Weight: 4
Transcript Title: Gr Cert Conducting Project
Calendar Title: Graduate Certificate Conducting Project.
Description: Conducting project including selection, preparation, rehearsal and performance of 20 minutes of choral music.
Notes: Restrictions: Open to students in the Graduate Certificate in Performance - Choral Conducting.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 651
Credit Weight: 9
Transcript Title: Perf./Comp. Recital Project
Calendar Title: Performance/Composition Recital Project.
Description: Thesis recital (Jazz repertoire, including compositions by the student) and programme notes.
Notes:
A 60-70 minute recital.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 651D1
Credit Weight: 4.5
Transcript Title: Perf./Comp. Recital Project
Calendar Title: Performance/Composition Recital Project.
Description:
Thesis recital (Jazz repertoire, including compositions by the student) and programme notes.
Notes:
Students must register for both MUPG 651D1 and MUPG 651D2
No credit will be given for this course unless both MUPG 651D1 and MUPG 651D2 are successfully completed in consecutive terms
MUPG 651D1 and MUPG 651D2 together are equivalent to MUPG 651
A 60-70 minute recital.

MUPG 651D2
Credit Weight: 4.5
Transcript Title: Perf./Comp. Recital Project
Calendar Title: Performance/Composition Recital Project.
Description:
See MUPG 651D1 for course description.
Notes:
Prerequisite: MUPG 651D1
No credit will be given for this course unless both MUPG 651D1 and MUPG 651D2 are successfully completed in consecutive terms
MUPG 651D1 and MUPG 651D2 together are equivalent to MUPG 651
A 60-70 minute recital.

MUPG 652
Credit Weight: 9
Transcript Title: Jazz Ensemble Recital Project
Calendar Title: Jazz Ensemble Recital Project.
Description:
A 60-70 minute recital presenting a repertoire of either original compositions and arrangements or previously composed jazz literature (depending upon stream), at least half of which must be for a large ensemble. Program notes must be provided.
Notes:
Restriction: Open to students in the B and C streams of the Jazz Performance option only.

MUPG 653
Credit Weight: 9
Transcript Title: Opera Coach Project
Calendar Title: Opera Coach Project.
Description: Preparation and performance of standard operatic repertoire and programme notes.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 653D1
Credit Weight: 4.5
Transcript Title: Opera Coach Project
Calendar Title: Opera Coach Project.
Description: Preparation and performance of standard operatic repertoire and programme notes.
Notes: Students must register for both MUPG 653D1 and MUPG 653D2. No credit will be given for this course unless both MUPG 653D1 and MUPG 653D2 are successfully completed in consecutive terms. MUPG 653D1 and MUPG 653D2 together are equivalent to MUPG 653.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 653D2
Credit Weight: 4.5
Transcript Title: Opera Coach Project
Calendar Title: Opera Coach Project.
Description: See MUPG 653D1 for course description.
Notes: Prerequisite: MUPG 653D1. No credit will be given for this course unless both MUPG 653D1 and MUPG 653D2 are successfully completed in consecutive terms. MUPG 653D1 and MUPG 653D2 together are equivalent to MUPG 653.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 654
Credit Weight: 6
Transcript Title: Opera Coach Performance
Calendar Title: Opera Coach Performance.
Description: Preparation and performance of specialized operatic repertoire and program notes.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 659
Credit Weight: 9
Transcript Title: Perf in Recording Media
Calendar Title: Performance in Recording Media.
Description: Candidates must submit a professional quality audio and/or video document of their performances, with liner notes. The performances must be 60-70 minutes on the candidate’s primary instrument.
Notes:
Course requirements will vary depending on the program stream (Jazz Performance, Jazz Composition and Arranging and Jazz Orchestra) the candidate is completing. See the Music Graduate website for more details.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 659D1
Credit Weight: 4.5
Transcript Title: Perf in Recording Media
Calendar Title: Performance in Recording Media.
Description:
Candidates must submit a professional quality audio and/or video document of their performances, with liner notes. The performances must be 60-70 minutes on the candidate's primary instrument.
Notes:
Students must register for both MUPG 659D1 and MUPG 659D2
No credit will be given for this course unless both MUPG 659D1 and MUPG 659D2 are successfully completed in consecutive terms
MUPG 659D1 and MUPG 659D2 together are equivalent to MUPG 659
Course requirements will vary depending on the program stream (Jazz Performance, Jazz Composition and Arranging and Jazz Orchestra) the candidate is completing. See the Music Graduate website for more details.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 659D2
Credit Weight: 4.5
Transcript Title: Perf in Recording Media
Calendar Title: Performance in Recording Media.
Description:
See MUPG 659D1 for course description.
Notes:
Prerequisite: MUPG 659D1
No credit will be given for this course unless both MUPG 659D1 and MUPG 659D2 are successfully completed in consecutive terms
MUPG 659D1 and MUPG 659D2 together are equivalent to MUPG 659
Course requirements will vary depending on the program stream (Jazz Performance, Jazz Composition and Arranging and Jazz Orchestra) the candidate is completing. See the Music Graduate website for more details.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 670
Credit Weight: 2
Transcript Title: Advanced Continuo 1
Calendar Title: Advanced Continuo 1.
Description:
A historically-oriented study of the principles of figured bass. Standard idioms from historical treatises will be introduced. Preparation of operatic excerpts from the standard high Baroque repertory is required.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 670D1
Credit Weight: 1
Transcript Title: Advanced Continuo 1
Calendar Title: Advanced Continuo 1.
Description:
A historically-oriented study of the principles of figured bass. Standard idioms from historical treatises will be introduced. Preparation of operatic excerpts from the standard high Baroque repertory is required.
Notes:
Students must register for both MUPG 670D1 and MUPG 670D2
No credit will be given for this course unless both MUPG 670D1 and MUPG 670D2 are successfully completed in consecutive terms
MUPG 670D1 and MUPG 670D2 together are equivalent to MUPG 670
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 670D2
Credit Weight: 1
Transcript Title: Advanced Continuo 1
Calendar Title: Advanced Continuo 1.
Description:
For description see MUPG 670D1.
Notes:
Prerequisite: MUPG 670D1
No credit will be given for this course unless both MUPG 670D1 and MUPG 670D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 671
Credit Weight: 2
Transcript Title: Advanced Continuo 2
Calendar Title: Advanced Continuo 2.
Description:
A study of the many different styles of figured bass accompaniment as revealed in contemporary sources. The emphasis will be on realization at the keyboard of representative 17th- and 18th- century operatic recitatives and arias.
Notes:
2 hours
Prerequisite: MUPG 670
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 671D1
Credit Weight: 1
Transcript Title: Advanced Continuo 2
Calendar Title: Advanced Continuo 2.
Description:
A study of the many different styles of figured bass accompaniment as revealed in contemporary sources. The emphasis will be on realization at the keyboard of representative 17th- and 18th- century operatic recitatives and arias.
Notes:
Students must register for both MUPG 671D1 and MUPG 671D2
No credit will be given for this course unless both MUPG 671D1 and MUPG 671D2 are successfully completed in consecutive terms
MUPG 671D1 and MUPG 671D2 together are equivalent to MUPG 671

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 671D2
Credit Weight: 1
Transcript Title: Advanced Continuo 2
Calendar Title: Advanced Continuo 2.
Description:
For description see MUPG 671D1.
Notes:
Prerequisite: MUPG 671D1
No credit will be given for this course unless both MUPG 671D1 and MUPG 671D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 673
Credit Weight: 1
Transcript Title: Special Project: Performance 2
Calendar Title: Special Project: Performance 2.
Description:
Special project in performance approved by the Department.
Notes:
Enrolment by proposal only and with approval of the Department.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 674
Credit Weight: 2
Transcript Title: Special Project: Performance 3
Calendar Title: Special Project: Performance 3.
Description:
Special project in performance approved by the Department.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 675
Credit Weight: 3
Transcript Title: Special Project in Perf 1
Calendar Title: Special Project in Performance 1.
Description:
Special project in performance.
Notes:
Requires Departmental approval

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 675D1
Credit Weight: 1.5
Transcript Title: Special Project in Perf 1
Calendar Title: Special Project in Performance 1.
Description: Special project in performance.
Notes:
Students must register for both MUPG 675D1 and MUPG 675D2
No credit will be given for this course unless both MUPG 675D1 and MUPG 675D2 are successfully completed in consecutive terms
MUPG 675D1 and MUPG 675D2 together are equivalent to MUPG 675
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 675D2
Credit Weight: 1.5
Transcript Title: Special Project in Perf 1
Calendar Title: Special Project in Performance 1.
Description: Special project in performance.
Notes:
Prerequisite: MUPG 675D1
No credit will be given for this course unless both MUPG 675D1 and MUPG 675D2 are successfully completed in consecutive terms
MUPG 675D1 and MUPG 675D2 together are equivalent to MUPG 675
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 676
Credit Weight: 9
Transcript Title: Special Proj. in Church Music
Calendar Title: Special Project in Church Music.
Description: Individualized project involving performance in church setting to include both organ performance and choral direction.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 676D1
Credit Weight: 4.5
Transcript Title: Special Proj. in Church Music
Calendar Title: Special Project in Church Music.
Description: Individualized project involving performance in church setting to include both organ performance and choral direction.
Notes:
Students must register for both MUPG 676D1 and MUPG 676D2
No credit will be given for this course unless both MUPG 676D1 and MUPG 676D2 are successfully completed in consecutive terms
MUPG 676D1 and MUPG 676D2 together are equivalent to MUPG 676
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 676D2
Credit Weight: 4.5
Transcript Title: Special Proj. in Church Music
Calendar Title: Special Project in Church Music.
Description:
See MUPG 676D1 for course description.
Notes:
Prerequisite: MUPG 676D1
No credit will be given for this course unless both MUPG 676D1 and MUPG 676D2 are successfully completed in consecutive terms
MUPG 676D1 and MUPG 676D2 together are equivalent to MUPG 676
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 677
Credit Weight: 3
Transcript Title: Seminar in Perf Topics 1
Calendar Title: Seminar in Performance Topics 1.
Description:
Seminar in a performance topic. Topic varies by year.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 678
Credit Weight: 3
Transcript Title: Seminar in Perf Topics 2
Calendar Title: Seminar in Performance Topics 2.
Description:
Seminar in a performance topic. Topic varies by year.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 680
Credit Weight: 2
Transcript Title: Rehearsal Tech for Conductors2
Calendar Title: Rehearsal Techniques for Conductors 2.
Description:
Continuation of MUPG 580 Rehearsal Techniques for Conductors 1.
Notes:
Restriction: Open to graduate students in choral, wind, and orchestra conducting or with the permission of instructor
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 681
Credit Weight: 2  
Transcript Title: Piano Seminar 1  
Calendar Title: Piano Seminar 1.  
Description:  
Comparative studies of recorded solo and ensemble repertoire, and lecture-recital presentations reflecting knowledge of historical context and performance practice.  
Notes:  
3 hours.  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 682  
Credit Weight: 2  
Transcript Title: Piano Seminar 2  
Calendar Title: Piano Seminar 2.  
Description:  
Detailed critiques of in-class teaching, and general discussion of preparation for competitions and academic job applications.  
Notes:  
3 hours.  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 683  
Credit Weight: 1.5  
Transcript Title: Piano Seminar 1  
Calendar Title: Piano Seminar 1.  
Description:  
Content to include comparative studies of recorded solo and ensemble repertoire, and lecture-recital presentations reflecting knowledge of historical context and performance practice. Analysis and discussion will accompany attendance at specific performing events at McGill and beyond, as well as presentations by guest lecturers and piano area faculty.  
Notes:  
Restriction: Not open to students who have taken MUPG 681  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active

MUPG 684  
Credit Weight: 1.5  
Transcript Title: Piano Seminar 2  
Calendar Title: Piano Seminar 2.  
Description:  
Content to include detailed critiques of in-class teaching, and general discussion of preparation for competitions and academic job applications. Analysis and discussion will accompany attendance at master classes and competitions and beyond, as well as presentations by guest lecturers and piano area faculty.  
Notes:  
Restriction: Not open to students who have taken MUPG 682  
Administering Faculty: Graduate Studies  
Teaching Department: Performance  
Status (catalog level): Active
MUPG 687
Credit Weight: 1
Transcript Title: Collab. Piano Rep. 1: Song
Calendar Title: Collaborative Piano Repertoire 1: Song.
Description:
Issues in collaborative piano song repertoire and performance in different genres and musical styles.
Notes:
Prerequisite: MUEN 556 or equivalent or permission of the instructor
Restriction: Open to graduate students in collaborative piano or with the permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 688
Credit Weight: 1
Calendar Title: Collaborative Piano Repertoire 2: Instrumental.
Description:
Issues in collaborative piano instrumental repertoire and performance in different genres and musical styles.
Notes:
Prerequisite: MUEN 556 or equivalent or permission of the instructor
Restriction: Open to graduate students in collaborative piano or with the permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 689
Credit Weight: 1
Transcript Title: CollabPianoRep3:Orch/Red/Op/Or
Calendar Title: Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio.
Description:
Issues in collaborative piano orchestral reduction, opera, oratorio and performance in different genres and musical styles.
Notes:
Prerequisite: MUEN 556 or equivalent or permission of the instructor
Restriction: Open to graduate students in collaborative piano or with permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 691
Credit Weight: 3
Transcript Title: Vocal Ornamentation
Calendar Title: Vocal Ornamentation.
Description:
Introduction to the major treatises with emphasis on their practical application to modern performance. Through the study and discussion of both primary and secondary sources, students will observe and compare national styles. Special topics include the conventions of recitative; text-driven embellishment; ornamentation in Handel's dramatic works.
Notes:
3 hours
Restriction: Open to singers, keyboardists, and conductors or with permission of the instructor

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 695
Credit Weight: 3
Transcript Title: Grad. Jazz Improv. Seminar
Calendar Title: Graduate Jazz Improvisation Seminar.
Description:
An intensive study of artistry in jazz improvisation. The improvisation ideas and approaches of various jazz artists will be studied through transcription, analysis and in performance. The latter will lay the foundation for students to develop their own artistic voices and musical ideas. Approximately one-third of the class will be spent performing, critiquing and mentoring the performances of class members.
Notes:
Restriction(s): Open to students in the Jazz Performance option and others with the permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 740
Credit Weight: 4
Transcript Title: Grad Art Dip Performance Proj1
Calendar Title: Graduate Artist Diploma Performance Project 1.
Description:
A public solo, collaborative piano, chamber music recital, or preparation/presentation of a Featured Opera Role (by audition).
Notes:
Recital (40 - 45 minutes), Featured Opera Role (by audition) as defined by the American Guild of Musical Artists.
Restriction(s): Only open to students in the Graduate Artist Diploma.

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 741
Credit Weight: 4
Transcript Title: Grad Art Dip Performance Proj2
Calendar Title: Graduate Artist Diploma Performance Project 2.
Description:
A second public solo, orchestral repertoire, collaborative piano, chamber music recital, or preparation/presentation of a Featured Opera Role (by audition).
Notes:
Restriction(s): Only open to students in the Graduate Artist Diploma program. Recital (40 - 45 minutes), Featured Opera Role (by audition) as defined by the American Guild of Musical Artists, orchestral repertoire (minimum 20 excerpts; maximum exam duration of 40 minutes).

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MUPG 742
Credit Weight: 8
Transcript Title: Grad Art Dip Performance Proj3
Calendar Title: Graduate Artist Diploma Performance Project 3.
Description: A public solo, collaborative piano, chamber music recital, or Lead Opera Role (by audition).
Notes: Restriction(s): Only open to students in the Graduate Artist Diploma.
Recital (65-75 minutes); or Lead Opera Role (by audition) as defined by the American Guild of Musical Artists.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 742D1
Credit Weight: 4
Transcript Title: Grad Art Dip Performance Proj3
Calendar Title: Graduate Artist Diploma Performance Project 3.
Description: A public solo, collaborative piano, chamber music recital, or Lead Opera Role (by audition).
Notes: Restriction(s): Only open to students in the Graduate Artist Diploma.
Recital (65-75 minutes); or Lead Opera Role (by audition) as defined by the American Guild of Musical Artists.
Students must register for both MUPG 742D1 and MUPG 742D2
No credit will be given for this course unless both MUPG 742D1 and MUPG 742D2 are successfully completed in consecutive terms
MUPG 742D1 and MUPG 742D2 together are equivalent to MUPG 742
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 742D2
Credit Weight: 4
Transcript Title: Grad Art Dip Performance Proj3
Calendar Title: Graduate Artist Diploma Performance Project 3.
Description: A public solo, collaborative piano, chamber music recital, or Lead Opera Role (by audition).
Notes: Restriction(s): Only open to students in the Graduate Artist Diploma.
Recital (65-75 minutes); or Lead Opera Role (by audition) as defined by the American Guild of Musical Artists.
Prerequisite(s): MUPG 742D1
No credit will be given for this course unless both MUPG 742D1 and MUPG 742D2 are successfully completed in consecutive terms
MUPG 742D1 and MUPG 742D2 together are equivalent to MUPG 742
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 743
Credit Weight: 4
Transcript Title: Grad Art Dip Interdisc. Proj
Calendar Title: Graduate Artist Diploma Interdisciplinary Project.
Description: A composition commission, a research-related project (e.g., transcription, performance edition) or inter-disciplinary collaboration (music technology, dance, performance/sound recording student collaboration) that results in a public performance or through recorded media.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 744
Credit Weight: 4
Transcript Title: Grad. Art. Dip Concerto Perform
Calendar Title: Graduate Artist Diploma Concerto Performance.
Description: Concerto performance.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 745
Credit Weight: 4
Transcript Title: Grad Art Dip Recording Project
Calendar Title: Graduate Artist Diploma Recording Project.
Description: Studio recording with liner notes, by approval of department.
Notes: Restriction(s): Only open to students in the Graduate Artist Diploma. Restrictions may apply to the studio recording option depending on available resources. By proposal only and with approval of the Department; additional fees may apply.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Inactive

MUPG 750
Credit Weight: 4
Transcript Title: Post-Grad Art. Dip Perf Proj 1
Calendar Title: Post-Graduate Artist Diploma Performance Project 1.
Description: A public solo, collaborative piano, chamber music recital, or preparation/presentation of a Featured Opera Role (by audition).
Notes: Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 740. Recital (40 - 45 minutes).
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 751
Credit Weight: 4
Transcript Title: Post-Grad Art. Dip Perf Proj 2
Calendar Title: Post-Graduate Artist Diploma Performance Project 2.
Description:
A second public solo, orchestral repertoire, collaborative piano, chamber music recital, or preparation/presentation of a Featured Opera Role (by audition).

Notes:
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 740.
Recital (40 - 45 minutes).
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 752
Credit Weight: 8
Transcript Title: Post-Grad Art. Dip Perf Proj 3
Calendar Title: Post-Graduate Artist Diploma Performance Project 3.
Description:
A public solo, collaborative piano, chamber music recital, or Lead Opera Role (by audition).
Notes:
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 740.
Recital (65-75 minutes).
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 752D1
Credit Weight: 4
Transcript Title: Post-Grad Art. Dip Perf Proj 3
Calendar Title: Post-Graduate Artist Diploma Performance Project 3.
Description:
A public solo, collaborative piano, chamber music recital, or Lead Opera Role (by audition).
Notes:
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 740.
Recital (65-75 minutes).
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 752D2
Credit Weight: 4
Transcript Title: Post-Grad Art. Dip Perf Proj 3
Calendar Title: Post-Graduate Artist Diploma Performance Project 3.
Notes:
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 740.
Recital (65-75 minutes).
No credit will be given for this course unless both MUPG 752D1 and MUPG 752D2 are successfully completed in consecutive terms.
MUPG 752D1 and MUPG 752D2 together are equivalent to MUPG 752.
Administrating Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 753
Credit Weight: 4
Transcript Title: P-G Art Dip Interdisc Project
Calendar Title: Post-Graduate Artist Diploma Interdisciplinary Project.
Description: A composition commission, a research-related project (e.g., transcription, performance edition) or inter-disciplinary collaboration (music technology, dance, performance/sound recording student collaboration) that results in a public performance or through recorded media.
Notes: Prerequisites: Approval of the Department.
Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 743.
Enrolment by proposal only.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 754
Credit Weight: 4
Transcript Title: P-G Artist Dip. Concerto Perf.
Calendar Title: Post-Graduate Artist Diploma Concerto Performance.
Description: Concerto performance.
Notes: Restrictions: Only open to students in the Post-Graduate Artist Diploma in Performance program. Not open to students who have taken MUPG 744.
Minimum duration 20 minutes; two works may be presented in the case of shorter concerti.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 760
Credit Weight: 12
Transcript Title: Doctoral Recital 1
Calendar Title: Doctoral Recital 1.
Description: A full-length public recital with program notes.
Notes: Solo (60-75 minutes of music) or conducting (40 - 45 minutes of music).
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 767
Credit Weight: 12
Transcript Title: Doctoral Recital 2
Calendar Title: Doctoral Recital 2.
Description: A full-length public recital or recording with program notes.
Notes: 60-75 minutes of music (40-45 minutes conducting). In the event of a recording, additional fees and requirements may apply.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MUPG 770
Credit Weight: 9
Transcript Title: Doc. Lecture-Recital Project
Calendar Title: Doctoral Lecture - Recital Project.
Description:
The lecture-recital comprises a minimum of 35 minutes of music and 25 to 35 minutes of oral presentation. The examiners and audience may question the candidate following the lecture-recital. The subject and repertoire will also be treated in a project paper, submitted within two months of the lecture-recital.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPG 771
Credit Weight: 12
Transcript Title: Doctoral Final Project
Calendar Title: Doctoral Final Project.
Description:
The recital comprises 60-70 minutes of music. The presentation of the research document is followed by questions from the examiners and audience.
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MUPP 381
Credit Weight: 3
Transcript Title: Topics in Performance Practice
Calendar Title: Topics in Performance Practice.
Description:
Issues in performance traditions. Topics focus on rhythmic interpretation, vocal and instrumental style, ornamentation, improvisation, performance venues and context. Sources include original notation and modern editions, treatises, iconography, organology, analysis, criticism, and recordings.
Symbols: LIMT - Limited enrolment
Notes:
3 hours
Restriction: Not open to students who have taken MUPP 385
Administering Faculty: Schulich School of Music
Teaching Department: Performance
Status (catalog level): Active

MUPP 690
Credit Weight: 3
Transcript Title: Performance Practice Seminar 1
Calendar Title: Performance Practice Seminar 1.
Description:
Seminar in performance practice. Topic varies by year.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPP 691
Credit Weight: 3
Transcript Title: Performance Practice Seminar 2
Calendar Title: Performance Practice Seminar 2.
Description:
Seminar in performance practice. Topic varies by year.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPP 692
Credit Weight: 3
Transcript Title: Performance Practice Seminar 3
Calendar Title: Performance Practice Seminar 3.
Description:
Seminar in performance practice. Topic varies by year.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPP 693
Credit Weight: 3
Transcript Title: Performance Practice Seminar 4
Calendar Title: Performance Practice Seminar 4.
Description:
Seminar in performance practice. Topic varies by year.

Notes:
3 hours

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPP 694
Credit Weight: 3
Transcript Title: Performance Practice Seminar 5
Calendar Title: Performance Practice Seminar 5.

Description:
Seminar in performance practice. Topic varies by year.

Notes:
3 hours

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active

MUPP 695
Credit Weight: 3
Transcript Title: Performance Practice Seminar 6
Calendar Title: Performance Practice Seminar 6.

Description:
Seminar in performance practice. Topic varies by year.

Notes:
3 hours

Administering Faculty: Graduate Studies
Teaching Department: Performance
Status (catalog level): Active
MURG 473
Credit Weight: 1
Transcript Title: Special Proj: Music Research 1
Calendar Title: Special Project: Music Research 1.
Description: An individual research project with the approval of the Departmental Chair and under appropriate supervision.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MURG 474
Credit Weight: 2
Transcript Title: Special Proj: Music Research 2
Calendar Title: Special Project: Music Research 2.
Description: An individual research project with the approval of the Departmental Chair and under appropriate supervision.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active
MUSP 123
Credit Weight: 2
Transcript Title: Jazz Ear Training 1
Calendar Title: Jazz Ear Training 1.
Description:
Rhythmic, melodic and harmonic materials from the jazz idiom. Sight-singing, dictation and transcription with some classical materials.
Notes:
2 hours
Corequisites: MUJZ 160, MUJZ 170
Restriction: Open to Jazz Performance Majors.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 124
Credit Weight: 2
Transcript Title: Jazz Ear Training 2
Calendar Title: Jazz Ear Training 2.
Description:
Advanced jazz idioms.
Notes:
2 hours
Prerequisite: MUSP 123
Corequisites: MUJZ 161, MUJZ 171
Restriction: Open to Jazz Performance Majors.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 140
Credit Weight: 2
Transcript Title: Musicianship Training 1
Calendar Title: Musicianship Training 1.
Description:
Rhythm and metre basic subdivisions and conducting patterns; intervals, chords, and scale patterns; non-modulating tonal melodies with treble and bass clefs; harmonic progressions emphasizing two-part outer voice structures.
Notes:
2 hours
Prerequisite: Matriculation Music or McGill Conservatory Theory Secondary V or its equivalent.
Corequisites: MUTH 150, MUSP 170
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 141
Credit Weight: 2
Transcript Title: Musicianship Training 2
Calendar Title: Musicianship Training 2.
Description:
Rhythm and metre mixed divisions and syncopations; triadic and seventh chord voicings and disjunct pitch collections; chromatically embellished melodies adding alto clef; simple modulating harmonic progressions emphasizing two-part outer voice structures.
Notes:
2 hours
Prerequisites: Matriculation Music or McGill Conservatory Theory Secondary V or its equivalent. MUSP 140
Corequisites: MUTH 151, MUSP 171
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 170
Credit Weight: 1
Transcript Title: Musicianship (Keyboard) 1
Calendar Title: Musicianship (Keyboard) 1.
Description: Harmonic, melodic and rhythmic analysis at the keyboard through the study of rudiments, repertoire, chorale/score reading, transposition and harmonization.
Notes: 1 hour
Prerequisite: Matriculation Music or McGill Conservatory Theory Secondary V or its equivalent.
Corequisites: MUTH 150 and MUSP 140.
Course contents parallel with those of MUTH 150 and MUSP 140.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 171
Credit Weight: 1
Transcript Title: Musicianship (Keyboard) 2
Calendar Title: Musicianship (Keyboard) 2.
Description: Building chordal fluency. Harmonic vocabulary including sequences, chromaticism and modulation. Chorale and score reading with transposing instruments and alto/tenor clefs.
Notes: 1 hour
Prerequisite: MUSP 170
Corequisites: MUTH 111 and MUSP 131; or MUTH 151 and MUSP 141
Restriction: All students admitted to B.Mus. and L.Mus. programs, including those with keyboard or guitar as their principal instrument, are required to take MUSP 171 Keyboard Lab, unless exempt on the basis of a placement test. Students who are exempt from MUTH 111 through placement tests must still take MUSP 171 (unless exempt) since this course forms the foundation of keyboard-based musicianship tasks at upper levels. (All Majors in Jazz Performance substitute MUJZ 171 for MUSP 171. Students in Jazz Performance who have completed MUJZ 170 and MUJZ 171, and who transfer to a Department of Theory program, will be required to complete MUSP 171.) Students who do not achieve a continuation pass in MUSP 171 must reregister for the course in the semester immediately following. Students who do not achieve a continuation pass after repeating the course will not be allowed to proceed with further Musicianship or Theory studies until a continuation pass is achieved. Tests for MUSP 171 are held in August-September, December-January, and April-May [as well as during the Summer Session when course(s) offered], the exact dates determined by the Department of Music Research.
Course contents parallel with those of MUTH 151 and MUSP 141.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active
MUSP 240
Credit Weight: 2
Transcript Title: Musicianship Training 3
Calendar Title: Musicianship Training 3.
Description:
Rhythm and metre mixed divisions and two-part work; additional chordal voicings and pitch collections; melodies modulating to closely-related keys adding tenor clef; harmonic progression including applied chords; two-part keyboard-style passages.
Notes:
Prerequisites: Matriculation Music or McGill Conservatory Theory Secondary V or its equivalent. MUSP 141
Corequisite: MUTH 250
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 241
Credit Weight: 2
Transcript Title: Musicianship Training 4
Calendar Title: Musicianship Training 4.
Description:
Changing metres; chord voicings and atonal pitch collections; modulating tonal melodies and score reading of transposing instruments; harmonic progression including chromatic chords; two-part passages.
Notes:
Prerequisite: MUSP 240
Corequisite: MUTH 251
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 324
Credit Weight: 2
Transcript Title: Musicianship for Strings
Calendar Title: Musicianship for Strings.
Description:
Fundamental musicianship issues in the context of performance with an emphasis on intonation accuracy, rhythm, articulation, voice-leading and sound texture for strings.
Notes:
Pre- or Co-requisite: MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 330
Credit Weight: 2
Transcript Title: Musicianship for Woodwinds
Calendar Title: Musicianship for Woodwinds.
Description:
Fundamental musicianship issues in the context of performance with an emphasis on intonation accuracy, rhythm, articulation, voice-leading and sound texture for woodwinds.
Notes:
Prerequisite: MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 335
Credit Weight: 2
Transcript Title: Musicianship for Brass
Calendar Title: Musicianship for Brass.
Description:
Fundamental musicianship issues in the context of performance with an emphasis on intonation accuracy, rhythm, articulation, voice-leading and sound texture for brass.
Notes:
Prerequisite: MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 346
Credit Weight: 2
Transcript Title: Post-Tonal Musicianship
Calendar Title: Post-Tonal Musicianship.
Description:
Extended tonal and post-tonal harmonic and contrapuntal structures, rhythmic practices of the 20th and 21st century, score reading.
Notes:
Prerequisite: MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 350
Credit Weight: 2
Transcript Title: Musicianship for Pianists
Calendar Title: Musicianship for Pianists.
Description:
Fundamental musicianship issues in the context of performance with an emphasis on sight-reading, practical score analysis and focused learning methods.
Notes:
Prerequisite: MUSP 241
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 353
Credit Weight: 2
Transcript Title: Musicianship for Voice
Calendar Title: Musicianship for Voice.
Description:
Fundamental musicianship issues in the context of performance with an emphasis on intonation accuracy, rhythm, voice-leading and sound texture.
Notes:
Prerequisite: MUSP 141
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

**MUSP 354**
**Credit Weight:** 2
**Transcript Title:** Intro to Improv and Ornamen
**Calendar Title:** Introduction to Improvisation and Ornamentation.
**Description:** Principles of improvisation and ornamentation for music before 1800, including harmonic progressions and voice-leading and contrapuntal patterns for instrumentalists and singers, along with examples of ornamented vocal and instrumental works from 17th and 18th century sources.
**Notes:**
- Prerequisite: MUSP 241
- Administering Faculty: Schulich School of Music
- Teaching Department: Music Research

**MUSP 355**
**Credit Weight:** 2
**Transcript Title:** Musicianship for Percussion
**Calendar Title:** Musicianship for Percussion.
**Description:** Fundamental musicianship issues in the context of performance with an emphasis on polyrhythm.
**Notes:**
- Prerequisite: MUSP 241
- Administering Faculty: Schulich School of Music
- Teaching Department: Music Research

**MUSP 361**
**Credit Weight:** 2
**Transcript Title:** Topics in Musicianship
**Calendar Title:** Topics in Musicianship.
**Description:** Advanced ear training challenges in rhythm, pitch, harmony, form, or timbre.
**Notes:**
- Topics will change from semester to semester.
- Administering Faculty: Schulich School of Music
- Teaching Department: Music Research

**MUSP 381**
**Credit Weight:** 2
**Transcript Title:** Singing Renaissance Notation
**Calendar Title:** Singing Renaissance Notation.
**Description:** Choral sightsinging of mensural notation, with a focus on white notation c. 1420-1600. Development of basic fluency in the notation, interpretation of values in triple meter, addition of accidentals given the contrapuntal context as perceived aurally, Renaissance solmisation.
**Notes:**
- Prerequisite: MUSP 241
- Administering Faculty: Schulich School of Music
- Teaching Department: Music Research

Status (catalog level): Active
MUSP 446
Credit Weight: 2
Transcript Title: Advanced Musicianship 1
Calendar Title: Advanced Musicianship 1.
Description:
Advanced musicianship skills.
Notes:
Prerequisite: One of MUSP 324, 330, 335, 346, 350, 353, 354, 355, 381
Topic will vary semester to semester.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 447
Credit Weight: 2
Transcript Title: Advanced Musicianship 2
Calendar Title: Advanced Musicianship 2.
Description:
Additional advanced musicianship skills.
Notes:
Prerequisite: One of MUSP 324, 330, 335, 346, 350, 353, 354, 355, 381
Topics will vary semester to semester.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 500D1
Credit Weight: 1
Transcript Title: Keyboard for Prof. Practice
Calendar Title: Keyboard for Professional Practice.
Description:
Training in keyboard skills required for research, score study, professional presentations, and teaching: figured bass realization, melody harmonization, transposition, score reading, improvisation, and performance for dictation, taught through group meetings and weekly practical assignments.
Notes:
Enrolment preference will be given to students enrolled in graduate programs in music theory and conducting.
Restriction(s): By permission of the instructor.
Students must register for both MUSP 500D1 and MUSP 500D2.
No credit will be given for this course unless both MUSP 500D1 and MUSP 500D2 are successfully completed in consecutive terms.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSP 500D2
Credit Weight: 1
Transcript Title: Keyboard for Prof. Practice
Calendar Title: Keyboard for Professional Practice.
Description:
See MUSP 500D1 for description.
Notes:
Prerequisite: MUSP 500D1.
No credit will be given for this course unless both MUSP 500D1 and MUSP 500D2 are
successfully completed in consecutive terms.
Enrolment preference will be given to students enrolled in graduate programs in music theory and conducting.

**Administering Faculty:** Schulich School of Music
**Teaching Department:** Music Research

**Status (catalog level):** Active
MUSR 200
Credit Weight: 3
Transcript Title: Audio Recording Essentials
Calendar Title: Audio Recording Essentials.
Description:
A basic overview of audio recording. Topics include fundamentals of audio; a historical overview of recorded sound; analog and digital signal flow; listening environment design; listening and analysis; simple recording; connecting audio to a video camera; and audio on the web.
Notes:
No experience in audio recording required.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSR 201
Credit Weight: 3
Transcript Title: Audio Production Essentials
Calendar Title: Audio Production Essentials.
Description:
An introduction to common practices in digital audio production. A survey of music production styles and audio production techniques: basic editing, arranging and mixing music on a computer using a combination of natural and sampled sounds; sound design for television, film and video games. The course design is centered on classroom presentations and discussion, including in-class demonstrations without the need for a studio or lab component.
Notes:
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSR 232
Credit Weight: 3
Transcript Title: Introduction to Electronics
Calendar Title: Introduction to Electronics.
Description:
Basics of electricity including: Ohm's law, electronic components, DC circuits, block diagram, amplifiers, filters, power supplies, electrical measurements (frequency levels, distortion). Emphasis will be placed on electronics applied to audio.
Symbols: LIMT - Limited enrolment
Notes:
2 hours lecture plus 2 hours laboratory.
Prerequisite or corequisite: MATH 112. Available as Arts/Science elective in B.Mus. programs.
Restriction: Not open to students who have taken MUMT 232.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSR 300D1
Credit Weight: 3
Transcript Title: Intro to Music Recording
Calendar Title: Introduction to Music Recording.
Description:
The theory and practice of music recording including a study of recording environments, equipment and studio techniques. The analysis of music scores and
recordings with respect to the requirements and possibilities of the recording studio. Studio work will include recording sessions, recording of live concerts, editing, mixing and music p.a.

Symbols:  LIMT - Limited enrolment

Notes:
3 hours lecture plus 4 hours studio time.
Prerequisite: Permission of the instructor.
It is recommended that all students taking this course register concurrently for PHYS 224 Physics of Music if they do not already have a background in this subject.
Students must register for both MUSR 300D1 and MUSR 300D2.
No credit will be given for this course unless both MUSR 300D1 and MUSR 300D2 are successfully completed in consecutive terms.
Restriction: Not open to students who have taken MUMT 300D1/D2.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSR 300D2
Credit Weight: 3
Transcript Title: Intro to Music Recording
Calendar Title: Introduction to Music Recording.
Description:
See MUSR 300D1 for description.
Symbols:  LIMT - Limited enrolment
Notes:
Prerequisite: MUSR 300D1.
No credit will be given for this course unless both MUSR 300D1 and MUSR 300D2 are successfully completed in consecutive terms.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSR 339
Credit Weight: 3
Transcript Title: Intro to Electroacoustics
Calendar Title: Introduction to Electroacoustics.
Description:
Basic principles of operation and design of electroacoustical devices and systems; transducers and signal processing devices; magnetic tape sound recording - reproducing systems; disc recording, motion picture sound recording and reproducing systems; practical demonstration of some of these devices and associated measuring, testing and analyzing equipment and techniques.
Symbols:  LIMT - Limited enrolment
Notes:
2 hours lecture plus 2 hours laboratory.
Prerequisite: MUSR 232 (previously MUMT 232). Available as Arts/Science elective in B.Mus. programs.
Restriction: Not open to students who have taken MUMT 339.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUSR 629D1
Credit Weight: 2
Transcript Title: Technical Ear Training
Calendar Title: Technical Ear Training.
Description:
This course will, through a sequence of specific auditory exercises, develop and improve students' aural sensitivity to small changes in sound quality. Students train to identify spectral variables in sound, develop stable reference of sound quality and learn about spectral characteristics of musical instruments.

Notes:
1 hour tutorial, 2 hours laboratory.
Students must register for both MUSR 629D1 and MUSR 629D2.
No credit will be given for this course unless both MUSR 629D1 and MUSR 629D2 are successfully completed in consecutive terms.
Restriction: Not open to students who have taken MUMT 629D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 629D2
Credit Weight: 2
Transcript Title: Technical Ear Training
Calendar Title: Technical Ear Training.
Description:
See MUSR 629D1 for description.
Notes:
Prerequisite: MUSR 629D1.
No credit will be given for this course unless both MUSR 629D1 and MUSR 629D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 631D1
Credit Weight: 2
Transcript Title: Adv Technical Ear Training
Calendar Title: Advanced Technical Ear Training.
Description:
Identification and quantification of spatial parameters of sound image, nonlinear and transient distortion audibility, identification of coherent and incoherent noise, sound source identification in complex textures, sound enhancement and reconstruction. Instruction focused on acoustic and electroacoustic measurements is included throughout the year, as an exploration of the bridge between objective measure and subjective impressions of various acoustic spaces and electronic equipment.
Notes:
1 hour tutorial, 2 hours laboratory
Prerequisite: MUMT 629.
Students must register for both MUSR 631D1 and MUSR 631D2.
No credit will be given for this course unless both MUSR 631D1 and MUSR 631D2 are successfully completed in consecutive terms.
Restriction: Not open to students who have taken MUMT 631D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 631D2
Credit Weight: 2
Transcript Title: Adv Technical Ear Training
Calendar Title: Advanced Technical Ear Training.
Description:
See MUSR 631D1 for description.

Notes:
Prerequisite: MUSR 631D1.
No credit will be given for this course unless both MUSR 631D1 and MUSR 631D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 667
Credit Weight: 3
Transcript Title: Digital Studio Technology
Calendar Title: Digital Studio Technology.
Description:
Technical and operational characteristics of different digital recording systems currently employed by the recording industry.
Notes:
3 hours lecture

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 668
Credit Weight: 3
Transcript Title: Digital/Analog Audio Editing
Calendar Title: Digital/Analog Audio Editing.
Description:
Using analog and digital record/playback equipment, students learn, through practice, the art of replacing, patching, rebalancing, reconstructing, or generally speaking, improving recorded music through editing. Teaching will include cut and splice editing, disk-based editing, and editing by transfer and mixing.
Notes:
1 hour tutorial, 3 hours studio time.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 669
Credit Weight: 3
Transcript Title: Topics: Classical Music Record
Calendar Title: Topics: Classical Music Recording.
Description:
Issues involving classical music recording. Topics may include: analysis of performance styles, acoustics of concert halls, production of music videos, seminars with recording producers, tonmeisters, classical music in multimedia, and others.
Notes:
3 hours lecture

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 669D1
Credit Weight: 1.5
Transcript Title: Topics: Classical Music Record
Calendar Title: Topics: Classical Music Recording.
Description:
Issues involving classical music recording. Topics may include: analysis of performance styles, acoustics of concert halls, production of music videos, seminars with recording producers, tonmeisters, classical music in multimedia, and others.
Notes:
3 hours lecture
Students must register for both MUSR 669D1 and MUSR 669D2.
No credit will be given for this course unless both MUSR 669D1 and MUSR 669D2 are successfully completed in consecutive terms.
MUSR 669D1 and MUSR 669D2 together are equivalent to MUSR 669.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 669D2
Credit Weight: 1.5
Transcript Title: Topics: Classical Music Record
Calendar Title: Topics: Classical Music Recording.
Description:
See MUSP 669D1 for description.
Notes:
3 hours lecture
Prerequisite: MUSR 669D1.
No credit will be given for this course unless both MUSR 669D1 and MUSR 669D2 are successfully completed in consecutive terms.
MUSR 669D1 and MUSR 669D2 together are equivalent to MUSR 669.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 670D1
Credit Weight: 5
Transcript Title: Recording Theory & Practice 1
Calendar Title: Recording Theory and Practice 1.
Description:
Theoretical and practice study of recording equipment, procedures and techniques. Recording sessions and live stereo recording, using the recording studio, concert hall and portable equipment for on-location recording. Also included will be an introduction to the areas of radio drama, broadcast recording and radio commercials.
Notes:
3 hours seminar, 6 hours studio time.
Prerequisite: MUMT 300.
Students must register for both MUSR 670D1 and MUSR 670D2.
No credit will be given for this course unless both MUSR 670D1 and MUSR 670D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 670D2
Credit Weight: 5
Transcript Title: Recording Theory & Practice 1


Calendar Title: Recording Theory and Practice 1.
Description: See MUSR 670D1 for description.
Notes: Prerequisite: MUSR 670D1.
No credit will be given for this course unless both MUSR 670D1 and MUSR 670D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 671D1
Credit Weight: 5
Transcript Title: Recording Theory & Practice 2
Calendar Title: Recording Theory and Practice 2.
Description: Emphasis on multi-track recording theory and practice. The course will also concentrate on expanded multi-track procedures: signal processing, overdubbing, mixing, editing, and producing.
Notes: 3 hours seminar, 6 hours studio time.
Prerequisite: MUSR 670D1/D2 (formerly MUMT 670D1/D2).
Students must register for both MUSR 671D1 and MUSR 671D2.
No credit will be given for this course unless both MUSR 671D1 and MUSR 671D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 671D2
Credit Weight: 5
Transcript Title: Recording Theory & Practice 2
Calendar Title: Recording Theory and Practice 2.
Description: See MUSR 671D1 for description.
Notes: Prerequisite: MUSR 671D1.
No credit will be given for this course unless both MUSR 671D1 and MUSR 671D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 672D1
Credit Weight: 3
Transcript Title: Analysis of Recordings
Calendar Title: Analysis of Recordings.
Description: The analysis of recording engineering, production, performance, aesthetics and technical quality of selected recordings.
Notes: 3 hours.
Students must register for both MUSR 672D1 and MUSR 672D2.
No credit will be given for this course unless both MUSR 672D1 and MUSR 672D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 672D2
Credit Weight: 3
Transcript Title: Analysis of Recordings
Calendar Title: Analysis of Recordings.
Description:
See MUSR 672D1 for description.
Notes:
Prerequisite: MUSR 672D1.
No credit will be given for this course unless both MUSR 672D1 and MUSR 672D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 676
Credit Weight: 3
Transcript Title: Audio Industry Experience
Calendar Title: Audio Industry Experience.
Description:
Survey of audio industry experience.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 676D1
Credit Weight: 1.5
Transcript Title: Audio Industry Experience
Calendar Title: Audio Industry Experience.
Description:
Survey of audio industry experience.
Notes:
Students must register for both MUSR 676D1 and MUSR 676D2.
No credit will be given for this course unless both MUSR 676D1 and MUSR 676D2 are successfully completed in consecutive terms.
MUSR 676D1 and MUSR 676D2 together are equivalent to MUSR 676.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 676D2
Credit Weight: 1.5
Transcript Title: Audio Industry Experience
Calendar Title: Audio Industry Experience.
Description:
Survey of audio industry experience.
Notes:
Prerequisite: MUSR 676D1.
No credit will be given for this course unless both MUSR 676D1 and MUSR 676D2 are successfully completed in consecutive terms.
MUSR 676D1 and MUSR 676D2 together are equivalent to MUSR 676.
MUSR 677D1
Credit Weight: 3
Transcript Title: Audio for Video Post-Prod
Calendar Title: Audio for Video Post-Production.
Description: Theoretical study includes historical analysis of sound for image, audio post-production process for film and video, aesthetic and technical considerations in sound design, time code and synchronization, and final mix formats. Practical skills include field recording, sound library management, sound design, dialog, effects and music editing, and final mix process.
Notes: 3 hours seminar, 4 hours studio time. Students must register for both MUSR 677D1 and MUSR 677D2. No credit will be given for this course unless both MUSR 677D1 and MUSR 677D2 are successfully completed in consecutive terms.

MUSR 677D2
Credit Weight: 3
Transcript Title: Audio for Video Post-Prod
Calendar Title: Audio for Video Post-Production.
Description: See MUSR 677D1 for description.
Notes: Prerequisite: MUSR 677D1. No credit will be given for this course unless both MUSR 677D1 and MUSR 677D2 are successfully completed in consecutive terms.

MUSR 678
Credit Weight: 2
Transcript Title: Adv Digital Editing&Post-Prod.
Calendar Title: Advanced Digital Editing and Post-Production.
Description: This course covers advanced concepts and techniques of audio post-production using digital workstations. Students practise the assembly of raw material into a complete final product through editing, signal processing, mixing, sound restoration and pre-mastering.
Notes: 3 hours. Prerequisite: MUSR 668 (formerly MUMT 668).

MUSR 690
Credit Weight: 3
Transcript Title: Special Field Research
Calendar Title: Special Field Research.
Description:
Seminar focused on research preparation and methods, with course materials comprised of special field topics.

Notes:
3 hours

Restrictions: Open only to students in the Ph.D. in Music (Sound Recording).

Administering Faculty: Graduate Studies

Teaching Department: Music Research

Status (catalog level): Active

MUSR 691
Credit Weight: 3
Transcript Title: Mastering and Restoration
Calendar Title: Mastering and Restoration.

Description:
Advanced practices in mastering and remastering of recorded music. Emphasis on digitizing and restoration ("clean-up") of ageing analog sources, print-through correction, and the assembling/mastering/finalizing of new recordings utilizing various techniques. Specific topics include archiving/preservation/metadata, analog tape transfer including alignment/azimuth and record bias, 78rpm disc transfers including stylus choice/speed correction and playback curve selection. Instruction is included in equalization and dynamic range control processes as they relate specifically to the mastering process.

Notes:
3 hours.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 692
Credit Weight: 3
Transcript Title: Music Production Workshop
Calendar Title: Music Production Workshop.

Description:
The Seminar aims at giving Music Performance and Sound Recording students the tools to becoming better recording artists, performers and recording engineers in today's music scene. It will help them acquire skills and abilities as well as develop an informed judgement about recorded music performances and the recorded sound.

Notes:
3 hours.

Restriction(s): This seminar is open to second year masters and doctoral Sound Recording students, master's and doctoral Performance and Graduate Artist Diploma students only.

Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUSR 693
Credit Weight: 3
Transcript Title: Media Theory & Pract. Seminar 4
Calendar Title: Media Theory and Practice Seminar 4.

Description:
Topics vary from year to year and are normally chosen according to the individual instructor's area of expertise. Topics to be covered may include the following: Media Technology, Digital Restoration of Archival Recordings, Communications Systems and Standards, Audio Aesthetics of Video Musicals, Classical Music and the
**Television Medium, etc.**

**Notes:**
3 hours

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUSR 694**

**Credit Weight:** 3

**Transcript Title:** Media Theory & Pract. Seminar 5

**Calendar Title:** Media Theory and Practice Seminar 5.

**Description:**
Topics vary from year to year and are normally chosen according to the individual instructor's area of expertise. Topics to be covered may include the following: Media Technology, Digital Restoration of Archival Recordings, Communications Systems and Standards, Audio Aesthetics of Video Musicals, Classical Music and the Television Medium, etc.

**Notes:**
3 hours

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active

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**MUSR 695**

**Credit Weight:** 3

**Transcript Title:** Techniques of Immersive Sound

**Calendar Title:** Techniques of Immersive Sound.

**Description:**
Theory and practice of immersive sound. Exploration of advanced tools and techniques applied in three-dimensional recording and reproduction of music. Topics are chosen each year to reflect key areas of emerging knowledge and applications in 3D audio. Learning is based on application of interdisciplinary components from music, acoustics, signal processing, auditory perception, virtual reality, and multimedia.

**Notes:**
3 hours

**Prerequisite:** For Master's students: MUSR 670D1, MUSR 670D2 and MUSR 672D1, MUSR 672D2

**Administering Faculty:** Graduate Studies

**Teaching Department:** Music Research

**Status (catalog level):** Active
MUTH 100
Credit Weight: 3
Transcript Title: Music Theory Fundamentals
Calendar Title: Music Theory Fundamentals.
Description:
Basic training in music theory fundamentals. Topics include interval identification (both visual and aural), clef reading, chord recognition, melodic and rhythmic dictation, scales, and key signatures.
Notes:
The course is offered as a simultaneous corequisite to MUTH 150 (Theory and Analysis I) for students without the required music theory background. Enrolment in MUTH 100 is based on performance on the placement test for incoming undergraduates.
Prerequisite: Theory placement test for Schulich School of Music undergraduates.
Corequisite: MUTH 150
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 150
Credit Weight: 3
Transcript Title: Theory and Analysis 1
Calendar Title: Theory and Analysis 1.
Description:
Diatonic chords and harmonic progressions, focus on outer-voice framework, cadences, embellishments, building chordal fluency in common-practice tonality, applied chords.
Notes:
Prerequisite: Matriculation Music or McGill Conservatory Theory Secondary V or its equivalent.
Corequisites: MUSP 140 and MUSP 170
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 151
Credit Weight: 3
Transcript Title: Theory and Analysis 2
Calendar Title: Theory and Analysis 2.
Description:
Sequences and modulation, chromatic vocabulary, analysis of simple theme types (sentence, period, hybrids) and fugal techniques.
Notes:
Pre- or Co-requisites: MUTH 150, MUSP 140 and MUSP 170
Corequisites: MUSP 141 and MUSP 171
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 202
Credit Weight: 3
Transcript Title: Modal Counterpoint 1
Calendar Title: Modal Counterpoint 1.
Description:
Polyphonic techniques of the Renaissance period studied through analysis of works by Palestrina and others and through written exercises in two to three voices.
Notes:
3 hours
Prerequisites: MUTH 211 or MUCO 240D1/D2 AND MUSP 231 and MUSP 171; or MUSP 140, MUSP 170, MUTH 150
Restriction: Not open to students who have taken MUTH 301.

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 204
Credit Weight: 3
Transcript Title: Tonal Counterpoint 1
Calendar Title: Tonal Counterpoint 1.
Description:
The contrapuntal techniques of Baroque composers studied through detailed technical analysis of their works and through written exercises in strict style.
Notes:
3 hours
Prerequisites: MUSP 141, MUSP 171, MUTH 151; or MUTH 211 or MUCO 240D1/D2 AND MUSP 231 and MUSP 171
Restriction: Not open to students who have taken MUTH 303

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 250
Credit Weight: 3
Transcript Title: Theory and Analysis 3
Calendar Title: Theory and Analysis 3.
Description:
Compositional resources of late 18th and early 19th century music. Analysis of forms common to the period c. 1770 - 1840, including Classical sonata forms in several media.
Notes:
3 hours
Prerequisite: MUTH 151
Corequisite: MUSP 240

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 251
Credit Weight: 3
Transcript Title: Theory and Analysis 4
Calendar Title: Theory and Analysis 4.
Description:
Expanded harmonic resources of the 19th century (e.g., advanced chromaticism including enharmonic reinterpretation and symmetrical division). Analysis of characteristic small and large forms. Writing and analytical skills with a goal toward perceiving how levels of musical structure interact.
Notes:
3 hours
Prerequisite: MUTH 250
Corequisite: MUSP 241

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active
MUTH 302
Credit Weight: 3
Transcript Title: Modal Counterpoint 2
Calendar Title: Modal Counterpoint 2.
Description:
Continuation of Modal Counterpoint I. Study of more advanced techniques through further analysis and written exercises in three or more voices.
Notes:
3 hours
Prerequisite: MUTH 202 or MUTH 301
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 304
Credit Weight: 3
Transcript Title: Tonal Counterpoint 2
Calendar Title: Tonal Counterpoint 2.
Description:
Further analysis and written exercises with special emphasis on fugal techniques in free style.
Notes:
3 hours
Prerequisite: MUTH 204 or MUTH 303
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 321
Credit Weight: 3
Transcript Title: Topics in Tonal Analysis
Calendar Title: Topics in Tonal Analysis.
Description:
Topics in advanced analysis of tonal music.
Notes:
3 hours
Prerequisite: MUTH 251
Topics will change from semester to semester.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 322
Credit Weight: 3
Transcript Title: Topics in Post-Tonal Analysis
Calendar Title: Topics in Post-Tonal Analysis.
Description:
Topics in advanced analysis of post-tonal music.
Notes:
3 hours
Prerequisite: MUTH 350
Topics will change from semester to semester.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active
MUTH 350
Credit Weight: 3
Transcript Title: Theory and Analysis 5
Calendar Title: Theory and Analysis 5.
Description:
Exploration of 20th and 21st century organizations of pitch, rhythm, timbre etc. Written and analytical skills for the purpose of gaining insight into the compositional techniques and aesthetics of this repertoire.
Notes:
3 hours
Prerequisite: MUTH 251

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 426
Credit Weight: 3
Transcript Title: Topics in Early Music Analysis
Calendar Title: Topics in Early Music Analysis.
Description:
Music from before 1700 is analyzed using recently developed techniques as well as materials gathered from treatises contemporaneous with the music. The implications of analysis for performance are considered.
Symbols: LIMT - Limited enrolment
Notes:
3 hours
Prerequisite: MUTH 250; or MUTH 211, MUHL 184

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 475
Credit Weight: 3
Transcript Title: Special Project
Calendar Title: Special Project.
Description:
For details contact the Department of Music Research.
Notes:
Prerequisites: MUTH 211 or MUCO 240D1/D2 or MUTH 250, and MUSP 231 or MUSP 241, and MUSP 171

Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 526
Credit Weight: 3
Transcript Title: Methods: Tonal Theory & Analysis
Calendar Title: Methods in Tonal Theory and Analysis.
Description:
Theoretical topics and analytical applications in tonal music. Topics include some of the following: reduction, prolongation, voice-leading/linear models, motive/Grundgestalt, schema, partimento, and phrase rhythm/hypermeter.
Notes:
Prerequisite: MUTH 251
Priority will be given to Major Theory and Minor Music Theory students.
Administering Faculty: Schulich School of Music
Teaching Department: Music Research
Status (catalog level): Active

MUTH 528
Credit Weight: 3
Transcript Title: Schenkerian Theory & Analysis
Calendar Title: Schenkerian Theory and Analysis.
Description: Introduction to the principles and graphing techniques of Schenkerian theory, analysis of tonal works from 1700-1900, and study of prolongational techniques in relation to formal types.
Symbols: LIMT - Limited enrolment
Notes: 3 hours
Prerequisite: MUTH 251 or permission of instructor.

MUTH 529
Credit Weight: 3
Transcript Title: Proseminar in Music Theory
Calendar Title: Proseminar in Music Theory.
Description: An introduction to the discipline of music theory, including modern music theory and analysis.
Notes: 3 hours
Prerequisite: MUTH 251 (or equivalent).

MUTH 538
Credit Weight: 3
Transcript Title: Math Models for Music Analysis
Calendar Title: Mathematical Models for Musical Analysis.
Description: Theoretical topics and analytical applications selected from the following: serial theory, atonal set theory, contour theory, similarity metrics, transformational networks, elementary group theory and generalized interval systems, neo-Riemannian theory, atonal voice-leading and geometry, scale theory, models of tuning and temperament and information theory.
Notes: 3 hours
Prerequisites: MUTH 350 (or equivalent).

MUTH 539
Credit Weight: 3
Transcript Title: Topics in Adv Writing Tech
Calendar Title: Topics in Advanced Writing Techniques.
Description:
Advanced writing skills, including intensive four-part harmonization, advanced harmonic vocabulary and syntax, post-tonal counterpoint.

**Notes:**
Topics will change from semester to semester.
Prerequisite: MUTH 350
Corequisite: One of: MUSP 324, MUSP 330, MUSP 335, MUSP 346, MUSP 350, MUSP 353, or MUSP 355.

**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Music Research  
**Status (catalog level):** Active

### MUTH 541

**Credit Weight:** 3  
**Transcript Title:** Topics in Pop Music Analysis  
**Calendar Title:** Topics in Popular Music Analysis  
**Description:**
Different approaches to the analysis of popular music. Issues of transcription, notation, analytical pertinence, aesthetics, hermeneutics, and semiotics will be explored through transcription exercises, readings, and analysis of selected recordings.

**Notes:**
Prerequisites: MUTH 250 or MUTH 251, and MUSP 171 and MUSP 241

**Administering Faculty:** Schulich School of Music  
**Teaching Department:** Music Research  
**Status (catalog level):** Active

### MUTH 602

**Credit Weight:** 3  
**Transcript Title:** Keyboard Modal Counterpoint  
**Calendar Title:** Keyboard Modal Counterpoint  
**Description:**
Advanced study of polyphonic techniques of the renaissance period through written exercises, in-depth written case study, and improvised practice at the keyboard.

**Notes:**
Prerequisite: MUTH 202 or equivalent  
Restrictions: Open to graduate keyboardists in early music and organ or permission of the instructor. This course may count only as the additional seminar and not as the approved graduate seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, MUTH.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Music Research  
**Status (catalog level):** Active

### MUTH 604

**Credit Weight:** 3  
**Transcript Title:** Keyboard Tonal Counterpoint  
**Calendar Title:** Keyboard Tonal Counterpoint  
**Description:**
Advanced study of polyphonic techniques of tonal music through written exercises, in-depth written case study, and improvised practice at the keyboard.

**Notes:**
Prerequisite: MUTH 204 or equivalent  
Restrictions: Open to graduate keyboardists only or permission of the instructor. This course may count only as the additional seminar and not as the approved graduate seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, MUTH.

**Administering Faculty:** Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUTH 652
Credit Weight: 3
Transcript Title: Seminar in Music Theory 1
Calendar Title: Seminar in Music Theory 1.
Description: Seminar in music theory. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUTH 653
Credit Weight: 3
Transcript Title: Seminar in Music Theory 2
Calendar Title: Seminar in Music Theory 2.
Description: Seminar in music theory. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUTH 654
Credit Weight: 3
Transcript Title: Seminar in Music Theory 3
Calendar Title: Seminar in Music Theory 3.
Description: Seminar in music theory. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUTH 655
Credit Weight: 3
Transcript Title: Seminar in Music Theory 4
Calendar Title: Seminar in Music Theory 4.
Description: Seminar in music theory. Topic varies by year.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active

MUTH 656
Credit Weight: 3
Transcript Title: Seminar in Music Theory 5
Calendar Title: Seminar in Music Theory 5.
Description:
Seminar in music theory. Topic varies by year.

Notes:
3 hours

Administrating Faculty: Graduate Studies

Teaching Department: Music Research

Status (catalog level): Active

MUTH 657
Credit Weight: 3
Transcript Title: Seminar in Music Theory 6
Calendar Title: Seminar in Music Theory 6.
Description:
Seminar in music theory. Topic varies by year.

Notes:
3 hours

Administrating Faculty: Graduate Studies

Teaching Department: Music Research

Status (catalog level): Active

MUTH 658
Credit Weight: 3
Transcript Title: History of Music Theory 1
Calendar Title: History of Music Theory 1.
Description:
Selected topics in the history of music theory from Greek antiquity to 1700 through readings of primary and secondary literature.

Notes:
3 hours

Administrating Faculty: Graduate Studies

Teaching Department: Music Research

Status (catalog level): Active

MUTH 659
Credit Weight: 3
Transcript Title: History of Music Theory 2
Calendar Title: History of Music Theory 2.
Description:
Selected topics in the history of music theory from 1700 to the present through readings of primary and secondary literature.

Notes:
3 hours

Administrating Faculty: Graduate Studies

Teaching Department: Music Research

Status (catalog level): Active

MUTH 710
Credit Weight: 0
Transcript Title: Teaching Practicum
Calendar Title: Teaching Practicum.
Description:
Compilation of materials for a class on a particular topic, organizing and hierarchizing the information, designing class activities and preparing a lesson plan, presenting information clearly and concisely, and answering students' questions and otherwise interacting with the class.

Notes:
Restrictions: Only open to students in the Ph.D. in Music (Theory) and the Ph.D.
MUTH 711
Credit Weight: 0
Transcript Title: General Examinations
Calendar Title: General Examinations.
Description:
Series of examinations. Music theory essays, music history (Score ID), oral exam.
Notes:
Restrictions: Only open to students in the Ph.D. in Music (Theory) and the Ph.D. in Music; Gender and Women's Studies.
Administering Faculty: Graduate Studies
Teaching Department: Music Research
Status (catalog level): Active
NEUR 301
Credit Weight: 2
Transcript Title: TCP Neurology
Calendar Title: TCP Neurology.
Description:
During this two-week course, students will develop the knowledge, skills, and attitudes required to diagnose and treat patients with common neurological problems. Students will also gain an understanding of the roles and responsibilities of the various health professionals involved in the treatment of neurological patients, and an appreciation for how these individuals work together as a team to provide effective and efficient care. In addition, students will have opportunities to discuss the various integral roles of a physician, as defined by the Royal College of Physicians and Surgeons of Canada’s CanMEDS framework.
Notes:
Restriction(s): Open only to students in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 310
Credit Weight: 3
Transcript Title: Cellular Neurobiology
Calendar Title: Cellular Neurobiology.
Description:
A survey of the functional organization of nerve cells, signalling in the nervous system, and principles of neural development. Topics include cell polarity, neurotransmitters, neurotrophins, receptors and second messengers, cell lineage, guidance of axon outgrowth, and nerve regeneration. Emphasis will be placed on analysis of neurons at the molecular level.
Notes:
Winter
2 lectures each week
Prerequisites or Corequisites: BIOL 201, or PHGY 209, or PHGY 210; and one of ANAT 321, ANAT 322, BIOL 306, PHGY 311.
Administering Faculty: Faculty of Science
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 502
Credit Weight: 3
Transcript Title: Bas&Clin Aspects of Neuroimmu
Calendar Title: Basic and Clinical Aspects of Neuroimmunology.
Description:
The role of inflammation in physiological function of the nervous system, as well as in a broad range of neurological diseases where inflammation can act as a contributing factor to the development of pathology or promote recovery, including fundamentals of neuroimmunology to molecular/cellular aspects of neuroinflammation underlying the pathology seen in clinical conditions.
Notes:
Prerequisites: (MIMM 214 or MIMM 314 or MIMM 414 or PHGY 313) and (NSCI 200 or NSCI 201 or ANAT 321 or ANAT 323 or PHGY 314) or permission of instructor.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 503
Credit Weight: 3
**Transcript Title:** Computational Neuroscience  
**Calendar Title:** Computational Neuroscience.  
**Description:**  
A survey of computational methods commonly used to model brain function, including mathematical modeling to describe the relationship between neuronal activity and perception, action, and cognition. Mathematical basis for vision, motor control and attention. Data relevant to brain processes and models explaining these data, using engineering, statistics and artificial intelligence.  
**Notes:**  
Winter  
Basic neuroanatomy/neurophysiology, some mathematics (linear algebra calculus, probability/statistics) or consent of instructor.  
Restriction: Not open to students who have taken NEUR 603.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Neurology and Neurosurgery  
**Status (catalog level):** Active  

**NEUR 507**  
**Credit Weight:** 3  
**Transcript Title:** Topics in Radionuclide Imaging  
**Calendar Title:** Topics in Radionuclide Imaging.  
**Description:**  
The course deals with neuroreceptor and oncologic imaging and imaging of cerebral bloodflow and metabolism. The role of radiochemistry and physics will be demonstrated in the context of clinical and research applications. Understanding how radiochemistry and physics intermingle with the medical aspects of radiotracer development will result in a deeper insight into the complex pathways of tracer design and the methods necessary to properly interpret the data obtained.  
**Notes:**  
Fall  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Neurology and Neurosurgery  
**Status (catalog level):** Active  

**NEUR 550**  
**Credit Weight:** 3  
**Transcript Title:** Free Radical Biomedicine  
**Calendar Title:** Free Radical Biomedicine.  
**Description:**  
An interdisciplinary course on the biochemistry and cellular/molecular biology of free radicals, transition metals, oxidative stress and antioxidants and their roles in health and disease.  
**Symbols:**  
ALTY - Taught in alternate years  
INCL - Course was shown in the printed Calendar.  
**Notes:**  
Winter  
Prerequisite: BIOL 200, BIOL 201, BIOC 311, BIOC 312, PHGY 209, PHGY 210 or permission of instructor.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Neurology and Neurosurgery  
**Status (catalog level):** Active  

**NEUR 560**  
**Credit Weight:** 3  
**Transcript Title:** History of Neuroscience  
**Calendar Title:** History of Neuroscience.
Description:
A historical survey of neuroscience, from antiquity to the major discoveries of the 20th century. Conceptual and technical advances having led to our current understanding of brain function and dysfunctions will be discussed. Particular attention will be given to sensory systems and cognitive processes.

Notes:
Fall
Prerequisite: Permission of the instructor.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 570
Credit Weight: 3
Transcript Title: Human Brain Imaging
Calendar Title: Human Brain Imaging.
Description:
Current methods that are used to investigate human brain structure and function will be discussed with an emphasis on Magnetic Resonance-based techniques including functional Magnetic Resonance Imaging, Magnetic Resonance Spectroscopy, and Diffusion Tensor Imaging.

Notes:
Prerequisite: Permission of the instructor.
Restriction: Students must be enrolled in the Integrated Program in Neuroscience (IPN) graduate program at McGill University. McGill students enrolled in other graduate programs as well as undergraduate students and students from other universities are encouraged to apply and should contact the course instructors. Contact hours: by appointment – please contact any of the responsible instructors by email

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 602
Credit Weight: 3
Transcript Title: Current Topics in Neuroscience
Calendar Title: Current Topics in Neuroscience.
Description:
Current topics in Neuroscience.

Notes:
Fall
Prerequisite: Permission of unit instructor

Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 604
Credit Weight: 3
Transcript Title: Neuroscience Seminar 3
Calendar Title: Neuroscience Seminar 3.
Description:
Advanced seminars in neurobiology emphasizing current concepts of the molecular and cellular mechanisms underlying disease of the nervous system and muscle and how the study of disease has contributed to our understanding of cell biology. Topics: genetic mutations responsible for diseases, mechanisms of selective vulnerability of cell populations, and environmental influences.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisites: NEUR 630, NEUR 631 or NEUR 610; and permission of instructor
Enrolment limited to 12
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 605
Credit Weight: 3
Transcript Title: Neuroscience Seminar 4
Calendar Title: Neuroscience Seminar 4.
Description:
This course focuses on neuronal development and maturation from a molecular aspect. We introduce various model organisms and systems that are used to study molecular aspects of development, explore their particular advantages and explore the cellular and molecular events that contribute to the development of the nervous system.
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Offered alternate years - odd numbered years
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 606
Credit Weight: 3
Transcript Title: Methods in Neuroimaging
Calendar Title: Methods in Neuroimaging.
Description:
An introduction to the design and analysis of neuroimaging experiments in humans.
Notes:
Fall
Prerequisite: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 608
Credit Weight: 3
Transcript Title: Neuroimaging Data Science
Calendar Title: Neuroimaging Data Science.
Description:
Cutting-edge analytics as applied to complex and multimodal neuroimaging datasets. Topics include statistics, associative techniques, graph theoretical analysis, causal models, nonparametric inference, and meta-analytical synthesis.
Notes:
Restrictions: Only open to students enrolled in the M.Sc. in Neuroscience or the Ph.D. in Neuroscience. Students from other units may also enrol with permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Neuroscience, Integrated Pgm
Status (catalog level): Active
NEUR 610
Credit Weight: 3
Transcript Title: Functional Neuroanatomy
Calendar Title: Functional Neuroanatomy.
Description: This course will examine current topics in the functional anatomy of the human brain. The emphasis will be on how anatomical organization determines function. The course will comprise classroom sessions and dissection of human brains.
Notes: Winter
Enrolment in IPN or consent of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 630
Credit Weight: 3
Transcript Title: Principles of Neuroscience 1
Calendar Title: Principles of Neuroscience 1.
Description: An overview of cellular and molecular neuroscience at the graduate level. Topics include: synthesis, processing and intracellular transport of macromolecules; development of the nervous system including neurogenesis, axonal pathfinding, synaptogenesis and myelination; neuronal survival and response to injury; generation and propagation of action potentials; neurotransmitters and synaptic transmission.
Notes: Fall
Prerequisites: BIOL 200 and BIOL 201 or equivalent; permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 631
Credit Weight: 3
Transcript Title: Principles of Neuroscience 2
Calendar Title: Principles of Neuroscience 2.
Description: An overview of the structure, function and interaction of neuronal systems of vertebrates. Topics include basic neuroanatomy, coding and processing of sensory information (somatic sensory, visual and auditory systems), control of posture and voluntary movement, learning and memory, processing of language and speech, cerebral blood flow, the neuroendocrine system and neuroimmunology.
Notes: Winter
Prerequisite: A knowledge of basic mechanisms of biology, physiology, and anatomy as covered by respective undergraduate classes is expected and necessary to succeed in this course.
Restriction: Students must be enrolled in a graduate program at McGill University. Students from other universities, as well as undergraduate students from McGill require special permission from the Instructor.
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active
NEUR 696
Credit Weight: 6
Transcript Title: Master's Thesis Research
Calendar Title: Master's Thesis Research.
Description: Independent work under the direction of the student's supervisor.
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 696D1
Credit Weight: 3
Transcript Title: Master's Thesis Research
Calendar Title: Master's Thesis Research.
Description: Independent work under the direction of the student's supervisor.
Notes: Students must register for both NEUR 696D1 and NEUR 696D2
No credit will be given for this course unless both NEUR 696D1 and NEUR 696D2 are successfully completed in consecutive terms
NEUR 696D1 and NEUR 696D2 together are equivalent to NEUR 696
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 696D2
Credit Weight: 3
Transcript Title: Master's Thesis Research
Calendar Title: Master's Thesis Research.
Description: See NEUR 696D1 for course description.
Notes: Prerequisite: NEUR 696D1
No credit will be given for this course unless both NEUR 696D1 and NEUR 696D2 are successfully completed in consecutive terms
NEUR 696D1 and NEUR 696D2 together are equivalent to NEUR 696
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 696N1
Credit Weight: 3
Transcript Title: Master's Thesis Research
Calendar Title: Master's Thesis Research.
Description: Independent work under the direction of the student's supervisor.
Notes: Students must also register for NEUR 696N2
No credit will be given for this course unless both NEUR 696N1 and NEUR 696N2 are successfully completed in a twelve month period
NEUR 696N1 and NEUR 696N2 together are equivalent to NEUR 696
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active
NEUR 696N2
Credit Weight: 3
Transcript Title: Master's Thesis Research
Calendar Title: Master's Thesis Research.
Description:
See NEUR 696N1 for course description.
Notes:
Prerequisite: NEUR 696N1
No credit will be given for this course unless both NEUR 696N1 and NEUR 696N2 are successfully completed in a twelve month period
NEUR 696N1 and NEUR 696N2 together are equivalent to NEUR 696
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 697
Credit Weight: 9
Transcript Title: Master's Thesis Proposal
Calendar Title: Master's Thesis Proposal.
Description:
Presentation of a written thesis proposal by the end of the first year in the program. This document stating the hypothesis being tested, relevant literature and methodology will be orally presented to the student's Advisory Committee which will also review the written proposal and communicate its recommendations to the student and the Graduate Studies Committee.
Notes:
Restriction: M.Sc. students only
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 697D1
Credit Weight: 4.5
Transcript Title: Master's Thesis Proposal
Calendar Title: Master's Thesis Proposal.
Description:
Presentation of a written thesis proposal by the end of the first year in the program. This document stating the hypothesis being tested, relevant literature and methodology will be orally presented to the student's Advisory Committee which will also review the written proposal and communicate its recommendations to the student and the Graduate Studies Committee.
Notes:
Students must register for both NEUR 697D1 and NEUR 697D2
No credit will be given for this course unless both NEUR 697D1 and NEUR 697D2 are successfully completed in consecutive terms
NEUR 697D1 and NEUR 697D2 together are equivalent to NEUR 697
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 697D2
Credit Weight: 4.5
Transcript Title: Master's Thesis Proposal
Calendar Title: Master's Thesis Proposal.
Description:
See NEUR 697D1 for course description.

Notes:
Prerequisite: NEUR 697D1
No credit will be given for this course unless both NEUR 697D1 and NEUR 697D2 are successfully completed in consecutive terms
NEUR 697D1 and NEUR 697D2 together are equivalent to NEUR 697

Administrating Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 697N1
Credit Weight: 4.5
Transcript Title: Master's Thesis Proposal
Calendar Title: Master's Thesis Proposal.
Description:
Presentation of a written thesis proposal by the end of the first year in the program. This document stating the hypothesis being tested, relevant literature and methodology will be orally presented to the student's Advisory Committee which will also review the written proposal and communicate its recommendations to the student and the Graduate Studies Committee.

Notes:
Students must also register for NEUR 697N2
No credit will be given for this course unless both NEUR 697N1 and NEUR 697N2 are successfully completed in a twelve month period
NEUR 697N1 and NEUR 697N2 together are equivalent to NEUR 697

Administrating Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 697N2
Credit Weight: 4.5
Transcript Title: Master's Thesis Proposal
Calendar Title: Master's Thesis Proposal.
Description:
See NEUR 697N1 for course description.

Notes:
Prerequisite: NEUR 697N1
No credit will be given for this course unless both NEUR 697N1 and NEUR 697N2 are successfully completed in a twelve month period
NEUR 697N1 and NEUR 697N2 together are equivalent to NEUR 697

Administrating Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 698
Credit Weight: 9
Transcript Title: Master's Seminar Presentation
Calendar Title: Master's Seminar Presentation.
Description:
Student's presentation of a thesis research seminar. In this seminar, the student shall explain the direction of his/her research and present his/her findings to date. The presentation shall take approximately 30 to 45 minutes and shall be followed by a question period. This seminar will be attended by the Graduate Studies Committee, the student's Advisory Committee, and interested observers.

Administrating Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 698D1
Credit Weight: 4.5
Transcript Title: Master's Seminar Presentation
Calendar Title: Master's Seminar Presentation.
Description:
Student's presentation of a thesis research seminar. In this seminar, the student shall explain the direction of his/her research and present his/her findings to date. The presentation shall take approximately 30 to 45 minutes and shall be followed by a question period. This seminar will be attended by the Graduate Studies Committee, the student's Advisory Committee, and interested observers.
Notes:
Students must register for both NEUR 698D1 and NEUR 698D2
No credit will be given for this course unless both NEUR 698D1 and NEUR 698D2 are successfully completed in consecutive terms
NEUR 698D1 and NEUR 698D2 together are equivalent to NEUR 698

Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 698D2
Credit Weight: 4.5
Transcript Title: Master's Seminar Presentation
Calendar Title: Master's Seminar Presentation.
Description:
See NEUR 698D1 for course description.
Notes:
Prerequisite: NEUR 698D1
No credit will be given for this course unless both NEUR 698D1 and NEUR 698D2 are successfully completed in consecutive terms
NEUR 698D1 and NEUR 698D2 together are equivalent to NEUR 698

Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 698N1
Credit Weight: 4.5
Transcript Title: Master's Seminar Presentation
Calendar Title: Master's Seminar Presentation.
Description:
Student's presentation of a thesis research seminar. In this seminar, the student shall explain the direction of his/her research and present his/her findings to date. The presentation shall take approximately 30 to 45 minutes and shall be followed by a question period. This seminar will be attended by the Graduate Studies Committee, the student's Advisory Committee, and interested observers.
Notes:
Students must also register for NEUR 698N2
No credit will be given for this course unless both NEUR 698N1 and NEUR 698N2 are successfully completed in a twelve month period
NEUR 698N1 and NEUR 698N2 together are equivalent to NEUR 698

Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 698N2
Credit Weight: 4.5
Transcript Title: Master's Seminar Presentation
Calendar Title: Master's Seminar Presentation.
Description:
See NEUR 698N1 for course description.
Notes:
Prerequisite: NEUR 698N1
No credit will be given for this course unless both NEUR 698N1 and NEUR 698N2 are successfully completed in a twelve month period
NEUR 698N1 and NEUR 698N2 together are equivalent to NEUR 698
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 699
Credit Weight: 12
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description:
Submission of a Master's thesis.
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 699D1
Credit Weight: 6
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description:
Submission of a Master's thesis.
Notes:
Students must register for both NEUR 699D1 and NEUR 699D2
No credit will be given for this course unless both NEUR 699D1 and NEUR 699D2 are successfully completed in consecutive terms
NEUR 699D1 and NEUR 699D2 together are equivalent to NEUR 699
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 699D2
Credit Weight: 6
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description:
See NEUR 699D1 for course description.
Notes:
Prerequisite: NEUR 699D1
No credit will be given for this course unless both NEUR 699D1 and NEUR 699D2 are successfully completed in consecutive terms
NEUR 699D1 and NEUR 699D2 together are equivalent to NEUR 699
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 699N1
Credit Weight: 6
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description: Submission of a Master's thesis.
Notes:
Students must also register for NEUR 699N2
No credit will be given for this course unless both NEUR 699N1 and NEUR 699N2 are successfully completed in a twelve month period
NEUR 699N1 and NEUR 699N2 together are equivalent to NEUR 699
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 699N2
Credit Weight: 6
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description: See NEUR 699N1 for course description.
Notes:
Prerequisite: NEUR 699N1
No credit will be given for this course unless both NEUR 699N1 and NEUR 699N2 are successfully completed in a twelve month period
NEUR 699N1 and NEUR 699N2 together are equivalent to NEUR 699
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 700
Credit Weight: 0
Transcript Title: Doctoral Candidacy Examination
Calendar Title: Doctoral Candidacy Examination.
Description: A qualifying examination consisting of a formal presentation and oral examination of the thesis proposal. The questioning will pertain to the student's knowledge and understanding of his/her field of specialization in neuroscience as well as the research proposal. Its primary purpose is to evaluate the student's ability to carry out original scholarship. (The Candidacy Examination course is also conducted as part of the Transfer seminar for all students currently registered in the M.Sc. program who apply for transfer to the Ph.D.)
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Neurology and Neurosurgery
Status (catalog level): Active

NEUR 700D1
Credit Weight: 0
Transcript Title: Doctoral Candidacy Examination
Calendar Title: Doctoral Candidacy Examination.
Description: A qualifying examination consisting of a formal presentation and oral examination of the thesis proposal. The questioning will pertain to the student's knowledge and understanding of his/her field of specialization in neuroscience as well as the research proposal. Its primary purpose is to evaluate the student's ability to carry out original scholarship. (The Candidacy Examination course is also conducted as part of the Transfer seminar for all students currently registered in
the M.Sc. program who apply for transfer to the Ph.D.)

**Notes:**
Students must register for both NEUR 700D1 and NEUR 700D2
No credit will be given for this course unless both NEUR 700D1 and NEUR 700D2 are successfully completed in consecutive terms
NEUR 700D1 and NEUR 700D2 together are equivalent to NEUR 700

**Administering Faculty:** Graduate Studies

**Teaching Department:** Neurology and Neurosurgery

**Status (catalog level):** Active

**NEUR 700D2**

**Credit Weight:** 0

**Transcript Title:** Doctoral Candidacy Examination

**Calendar Title:** Doctoral Candidacy Examination

**Description:** See NEUR 700D1 for course description.

**Notes:**
Prerequisite: NEUR 700D1
No credit will be given for this course unless both NEUR 700D1 and NEUR 700D2 are successfully completed in consecutive terms
NEUR 700D1 and NEUR 700D2 together are equivalent to NEUR 700

**Administering Faculty:** Graduate Studies

**Teaching Department:** Neurology and Neurosurgery

**Status (catalog level):** Active

**NEUR 705**

**Credit Weight:** 0

**Transcript Title:** Responsible Research Conduct

**Calendar Title:** Responsible Research Conduct

**Description:** Introduction to the ethics of scientific research and publication and to the distinctions between appropriate scientific conduct and scientific misconduct.

**Notes:**
Restriction: Restricted to graduate students in the Integrated Program in Neuroscience

**Administering Faculty:** Graduate Studies

**Teaching Department:** Neuroscience, Integrated Pgm

**Status (catalog level):** Active

**NEUR 710**

**Credit Weight:** 3

**Transcript Title:** Connec Res: Lab-to-Wrld Impact

**Calendar Title:** Connectional Research: Lab-to-World Impact

**Description:** Conceptual and hands-on training in connectional research, with an emphasis on lab-to-world impact and academic entrepreneurship. Concepts in ideation, idea refinement and definition, stakeholder identification, market analysis and ethnographic studies, and structure of impactful proposals.

**Notes:**
Restriction: Students must have completed 1 year of graduate studies in the Faculties of Medicine, Engineering, or Science.
Students must have completed 1st year of PhD work. Students must bring laptop for classes.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Neuroscience, Integrated Pgm

**Status (catalog level):** Active
NRSC 221
Credit Weight: 3
Transcript Title: Environment and Health
Calendar Title: Environment and Health.
Description: Introduction to physical and social environments as factors contributing to the production of human health, with emphasis on the physical properties of the atmospheric environment as they interact with diverse human populations in urban settings.
Symbols: ALTY - Taught in alternate years
Notes: Restriction: Not open to students who are taking or have taken GEOG 221.
Note: This course is also offered as GEOG 221. Students enrolled in main campus programs register as GEOG 221; students enrolled in Macdonald campus programs register as NRSC 221.

NRSC 333
Credit Weight: 3
Transcript Title: Pollution and Bioremediation
Calendar Title: Pollution and Bioremediation.
Description: The environmental contaminants which cause pollution; sources, amounts and transport of pollutants in water, air and soil; waste management.
Notes: Fall
3 lectures
Restriction: Not open to students who have taken WILD 333

NRSC 405
Credit Weight: 3
Transcript Title: Natural History of East Africa
Calendar Title: Natural History of East Africa.
Description: Integrated study of African landforms, geologic history, climate, environments, biota, water resources and human influences, fostering a thorough understanding of the East African landscape and its inhabitants. Lectures, discussions on selected topics, use of museum resources and field studies will develop powers of observation, identification and enquiry.
Notes: Corequisite(s): ANTH/GEOG 451, NRSC/BIOL 452
Restriction(s): Not open to students who have taken NRSC 300 or GEOG 300. Not open to students taking REDM 405.

NRSC 451
Credit Weight: 3
Transcript Title: Res in Ecol&Develop in Africa
Calendar Title: Research in Ecology and Development in Africa.
Description:
Development of observation and independent inquiry skills through: 1) participation in short-term project modules in collaboration with existing researchers; 2) participation in interdisciplinary team research on topics selected to allow comparative analysis of field sites; 3) active and systematic observation, documentation, and integration of field experience in ecology and development issues.

Symbols: ALTY - Taught in alternate years
Notes:
Winter
Not open to students who have taken or are taking BIOL 451. Open to U2 or later students in the African Field Study Semester (AFSS).
Corequisites: ANTH or GEOG 451 Society & Development in Africa

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 510
Credit Weight: 3
Transcript Title: Agricultural Micrometeorology
Calendar Title: Agricultural Micrometeorology.
Description:
Interaction between plant communities and the atmosphere. The physical processes governing the transfer of heat, mass and momentum as they relate to research and production in agricultural and environmental systems. Experimental techniques for measuring fluxes of heat, water-vapour, CO2 and natural and man-made pollutants.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
3 lectures
Restriction: Not open to students who have taken AEPH 510

Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 610
Credit Weight: 3
Transcript Title: Advanced Env Assessment
Calendar Title: Advanced Environmental Assessment.
Description:
A detailed account of the evolution of environmental assessment related concepts, processes, procedures and best practices in Canada and internationally.
Notes:
Restriction: Limited to students enrolled in the Non-Thesis Master's in Environmental Assessment Program, or by permission of program coordinator.

Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 612
Credit Weight: 3
Transcript Title: Env Asmt&Sustainable Devlmnt
Calendar Title: Environmental Assessment and Sustainable Development.
Description:
A detailed consideration of environmental assessment as a tool for sustainable development.
Notes:
Restriction: Limited to students enrolled in the Non-Thesis Master's in Environmental Assessment Program, or by permission of program coordinator.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Natural Resource Sciences  
**Status (catalog level):** Active

**NRSC 614**  
**Credit Weight:** 3  
**Transcript Title:** Special Topics 7  
**Calendar Title:** Special Topics 7.  
**Description:** Students pursue topics not otherwise available in formal courses, under staff supervision.  
**Notes:** Restriction: Limited to students enrolled in a Natural Resource Sciences MSc or PhD program, or by permission of the Graduate Program Director.  

**NRSC 616**  
**Credit Weight:** 9  
**Transcript Title:** Env Assessment Project Paper  
**Calendar Title:** Environmental Assessment Project Paper.  
**Description:** Written report describing the approach to and resolution of the environmental assessment issue addressed during the internship in Environmental Assessment.  
**Notes:** Restriction: Limited to students enrolled in the Non-Thesis Master's in Environmental Assessment Program.  

**NRSC 620**  
**Credit Weight:** 3  
**Transcript Title:** Into the Ecozoic  
**Calendar Title:** Into the Ecozoic.  
**Description:** An examination of how the "Ecozoic" framing can be used as an alternative to the current discourse on sustainability; emphasis on the evolution of major thought systems of Western culture such as private property, the nation state, money and human rights and their role in generating the rapidly accelerating decline in life's prospects. Identification and exploration of efforts currently under the re-establish a flourishing earth; areas considered include agroecology, all species food security, family planning, forest management and others.  
**Notes:** Prerequisite: ENVR 630  
Restrictions: Only open to students in the Leadership in the Ecozoic Project, or with permission of instructor.  

**NRSC 621**  
**Credit Weight:** 3
Transcript Title: Restoring a Flourishing Earth  
Calendar Title: Restoring a Flourishing Earth.

Description:
Application of the “Ecozoic” framing to real-world problems. Delivered as a field course that provides hands-on experience related to a particular problem due to climate change and other human activities. Activities are designed in consultation with university instructors, government, non-governmental organizations, communities of practice and other key stakeholders.

Notes:
Prerequisites: ENVR 630, NRSC 620
Restrictions: Only open to students in the Leadership for the Ecozoic course or permission of the instructor. Not open to students who have taken NRSC 684 when topic was "Economics for the Anthropocene Field Course". Field activities may take place outside of Montreal, either within Quebec, another province, or the United States.

Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 622D1
Credit Weight: 1.5
Transcript Title: Seminar for the Ecozoic
Calendar Title: Seminar for the Ecozoic.

Description:
Student-led seminar provides opportunity to develop skills in course development and to apply theory and practical experience to examination of one or more thought systems such as economics and finance; law and governance, and ethics and ontology and how the thought system should be rethought in light of the Ecozoic.

Notes:
Corequisite: NRSC 621
Prerequisites: ENVR 630, NRSC 620
Restrictions: Only open to students in the Leadership for the Ecozoic project or permission of instructor. Not open to students who have taken NRSC 685 when topic was "Economics for the Anthropocene Student-led Seminar".

Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 622D2
Credit Weight: 1.5
Transcript Title: Seminar for the Ecozoic
Calendar Title: Seminar for the Ecozoic.

Description:
For description see NRSC 622D1.

Notes:
Prerequisite: NRSC 622D1
Administrating Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 643
Credit Weight: 1
Transcript Title: Graduate Seminar 1
Calendar Title: Graduate Seminar 1.

Description:
Open to students in the M.Sc. Program. Presentation on a selected topic, research
proposal, or research results based on progress towards the M.Sc. degree.

Notes:
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 644
Credit Weight: 1
Transcript Title: Graduate Seminar 2
Calendar Title: Graduate Seminar 2.
Description:
Open to students in the M.Sc. Program. Presentation on a selected topic, research proposal, or research results based on progress towards the M.Sc. degree.

Notes:
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 651
Credit Weight: 1
Transcript Title: Graduate Seminar 3
Calendar Title: Graduate Seminar 3.
Description:
Open to students in the M.Sc. Program. Presentation of an M.Sc. student's final thesis results.

Notes:
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 670
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 1
Calendar Title: Principles of Environmental Health Sciences 1.
Description:
Topics in environmental health sciences: principles of exposure assessment and of toxicology.

Notes:
Restriction(s): Open to graduate students pursuing a career in Environmental Health Sciences or with permission of the course instructors. Not open to students who have taken or are taking EPIB 684 or EXMD 670 or PHAR 670.

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 671
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 2
Calendar Title: Principles of Environmental Health Sciences 2.
Description: Topics in environmental health sciences: principles of environmental epidemiology.
Notes: Prerequisite(s): NRSC 670
Restriction(s): Open to graduate students in the Environmental Health Sciences or permission of the course instructors. Not open to students who have taken or are taking EPIB 685 or EXMD 671 or PHAR 671.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 680
Credit Weight: 1
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description: Students pursue topics not otherwise available in formal courses, under staff supervision.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 684
Credit Weight: 3
Transcript Title: Special Topics 5
Calendar Title: Special Topics 5.
Description: Students pursue topics not otherwise available in formal courses, under staff supervision.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 685
Credit Weight: 3
Transcript Title: Special Topics 6
Calendar Title: Special Topics 6.
Description: Students pursue topics not otherwise available in formal courses, under staff supervision.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 691
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 1
Calendar Title: M.Sc. Thesis Research 1.
Description: Independent research under the direction of a supervisor towards the completion of the M.Sc. degree.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
NRSC 692
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 2
Calendar Title: M.Sc. Thesis Research 2.
Description: Independent research under the direction of a supervisor towards the completion of the M.Sc. degree.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 693
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research 3
Calendar Title: M.Sc. Thesis Research 3.
Description: Completion of the M.Sc. thesis, its approval by reviewers and acceptance by Graduate and Postdoctoral Studies all required for a pass to be granted.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 694
Credit Weight: 9
Transcript Title: M.Sc. Thesis Research 4
Calendar Title: M.Sc. Thesis Research 4.
Description: Independent research under the direction of a supervisor towards the completion of the M.Sc. degree.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 701
Credit Weight: 0
Transcript Title: Ph.D.Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 701D1
Credit Weight: 0
Transcript Title: Ph.D.Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Students must register for both NRSC 701D1 and NRSC 701D2
No credit will be given for this course unless both NRSC 701D1 and NRSC 701D2 are successfully completed in consecutive terms
NRSC 701D1 and NRSC 701D2 together are equivalent to NRSC 701

**Administering Faculty:** Graduate Studies
**Teaching Department:** Natural Resource Sciences
**Status (catalog level):** Inactive

**NRSC 701D2**
- **Credit Weight:** 0
- **Transcript Title:** Ph.D. Comprehensive Examination
- **Calendar Title:** Ph.D. Comprehensive Examination.
- **Description:** See NRSC 701D1 for course description.
- **Notes:**
  - **Prerequisite:** NRSC 701D1
  - No credit will be given for this course unless both NRSC 701D1 and NRSC 701D2 are successfully completed in consecutive terms.

NRSC 701D1 and NRSC 701D2 together are equivalent to NRSC 701

**Administering Faculty:** Graduate Studies
**Teaching Department:** Natural Resource Sciences
**Status (catalog level):** Inactive

**NRSC 701N1**
- **Credit Weight:** 0
- **Transcript Title:** Ph.D. Comprehensive Examination
- **Calendar Title:** Ph.D. Comprehensive Examination.
- **Description:** An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
- **Notes:**
  - **Students must also register for NRSC 701N2**
  - No credit will be given for this course unless both NRSC 701N1 and NRSC 701N2 are successfully completed in a twelve month period.

NRSC 701N1 and NRSC 701N2 together are equivalent to NRSC 701

**Administering Faculty:** Graduate Studies
**Teaching Department:** Natural Resource Sciences
**Status (catalog level):** Inactive

**NRSC 701N2**
- **Credit Weight:** 0
- **Transcript Title:** Ph.D. Comprehensive Examination
- **Calendar Title:** Ph.D. Comprehensive Examination.
- **Description:** See NRSC 701N1 for course description.
- **Notes:**
  - **Prerequisite:** NRSC 701N1
  - No credit will be given for this course unless both NRSC 701N1 and NRSC 701N2 are successfully completed in a twelve month period.

NRSC 701N1 and NRSC 701N2 together are equivalent to NRSC 701

**Administering Faculty:** Graduate Studies
**Teaching Department:** Natural Resource Sciences
**Status (catalog level):** Inactive

**NRSC 751**
- **Credit Weight:** 0
- **Transcript Title:** Graduate Seminar 4
- **Calendar Title:** Graduate Seminar 4.
- **Description:**
Presentation on a selected topic, research proposal or research results based on progress in the Ph.D. degree.

Notes:
Restriction: Open to students in the Ph.D. Program
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 752
Credit Weight: 0
Transcript Title: Graduate Seminar 5
Calendar Title: Graduate Seminar 5.
Description:
Presentation on a selected topic, research proposal or research results based on progress in the Ph.D. degree.

Notes:
Restriction: Open to students in the Ph.D. Program
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 753
Credit Weight: 0
Transcript Title: Graduate Seminar 6
Calendar Title: Graduate Seminar 6.
Description:
Presentation on a selected topic, research proposal or research results based on progress in the Ph.D. degree.

Notes:
Restriction: Open to students in the Ph.D. Program
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

NRSC 754
Credit Weight: 0
Transcript Title: Graduate Seminar 7
Calendar Title: Graduate Seminar 7.
Description:
Presentation on a selected topic, research proposal or research results based on progress in the Ph.D. degree.

Notes:
Restriction: Open to students in the Ph.D. Program
Section 001 Micrometeorology, Forest Science and Soil Science students
Section 002 Entomology and Wildlife Biology students
Section 003 Microbiology students

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
NSCI 200
Credit Weight: 3
Transcript Title: Intro. to Neuroscience 1
Calendar Title: Introduction to Neuroscience 1.
Description:
An introduction to how nerve cells generate action potentials, communicate with one another at synapses, develop synaptic connections, early brain development, and the construction of specific neural circuits.
Notes:
Fall
Prerequisites: BIOL 112, CHEM 110, CHEM 120, PHYS 101 or PHYS 131, and PHYS 102 or PHYS 142. Pre-/Co-requisite BIOL 200, CHEM 212 or permission of instructor.
Restrictions: Not open to students who are taking or have taken PHGY 209.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

NSCI 201
Credit Weight: 3
Transcript Title: Intro. to Neuroscience 2
Calendar Title: Introduction to Neuroscience 2.
Description:
An introduction to how the nervous system acquires and integrates information and uses it to produce behaviour.
Notes:
Winter
Prerequisite: NSCI 200 or PSYC 211 or permission of instructor.
Restriction: Not open to students who have taken PSYC 308.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

NSCI 300
Credit Weight: 3
Transcript Title: Neuroethics
Calendar Title: Neuroethics.
Description:
An introduction to ethical issues arising from basic and clinical neuroscience. Overview of therapeutic, diagnostic, and research interventions in mental and neurological disorders, and their implications on society.
Notes:
Winter
Prerequisite: NSCI 200 and NSCI 201 or permission of instructor
Restriction: Open to students in the Major Neuroscience Program
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

NSCI 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.
Notes:
Prerequisites: At least one term of undergraduate studies, a CGPA of at least 3.0, or permission of instructor to waive these requirements. A project proposal
form must be completed by the student and instructor and approved by the unit
head or his/her delegate before the start of the term. Instructors will list
project-specific prerequisites with the project description.
Restrictions: This course cannot be taken under the S/U option. Coordinator's
permission required. Students cannot be supervised by the same instructor for two
396 Science courses. Open to students in programs offered by the Faculty of
Science only.
Note: To receive approval to register for this course, a student must present a
research proposal to the Coordinator.
See https://www.mcgill.ca/neuroscience/research/nsci-396-research-project-form/
for instructions.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

NSCI 400D1
Credit Weight: 0.5
Transcript Title: Neuroscience Seminar
Calendar Title: Neuroscience Seminar.
Description:
Analysis of current research in neuroscience.
Notes:
Fall/Winter
Prerequisites: NSCI 200, 201, and 300
Restriction: Open to students in their final year of a B.Sc. Major Neuroscience
Program
Students will demonstrate their understanding of neuroscience by writing critical
analyses of selected published papers and research seminars.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

NSCI 400D2
Credit Weight: 0.5
Transcript Title: Neuroscience Seminar
Calendar Title: Neuroscience Seminar.
Description:
See NSCI 400D1 for course description.
Notes:
Fall/Winter
Prerequisite: NSCI 400D1
No credit will be given for this course unless both NSCI 400D1 and NSCI 400D2 are
successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

NSCI 400N1
Credit Weight: 0.5
Transcript Title: Neuroscience Seminar
Calendar Title: Neuroscience Seminar.
Description:
Analysis of current research in neuroscience.
Notes:
Winter/Fall
Prerequisites: NSCI 200, 201, and 300
Restriction: Open to students in their final year of a B.Sc. Major Neuroscience
Program
Students will demonstrate their understanding of neuroscience by writing critical analyses of selected published papers and research seminars. Students must also register for NSCI 400N2
No credit will be given for this course unless both NSCI 400N1 and NSCI 400N2 are successfully completed in a twelve month period

Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

NSCI 400N2
Credit Weight: 0.5
Transcript Title: Neuroscience Seminar
Calendar Title: Neuroscience Seminar.
Description: See NSCI 400N1 for course description.
Notes: Winter/Fall
Prerequisite: NSCI 400N1
No credit will be given for this course unless both NSCI 400N1 and NSCI 400N2 are successfully completed in a twelve month period

Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

NSCI 410
Credit Weight: 6
Transcript Title: Independent Research 1
Calendar Title: Independent Research 1.
Description: Independent laboratory research in neuroscience.
Notes: Prerequisites: NSCI 200 and NSCI 201
Restrictions: Only open to students registered in the B.Sc. Neuroscience Major. Not open to students who have taken or are taking NSCI 420D1 and NSCI 420D2.

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

NSCI 410D1
Credit Weight: 3
Transcript Title: Independent Research 1
Calendar Title: Independent Research 1.
Description: Independent laboratory research in neuroscience.
Notes: Prerequisites: NSCI 200 and NSCI 201
Restrictions: Only open to students registered in the B.Sc. Neuroscience Major. Not open to students who have taken or are taking NSCI 420D1 and NSCI 420D2
Students must register for both NSCI 410D1 and NSCI 410D2.
No credit will be given for this course unless both NSCI 410D1 and NSCI 410D2 are successfully completed in consecutive terms
NSCI 410D1 and NSCI 410D2 together are equivalent to NSCI 410

Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active
NSCI 410D2
Credit Weight: 3
Transcript Title: Independent Research 1
Calendar Title: Independent Research 1.
Description:
See NSCI 410D1 for course description.
Notes:
Prerequisite: NSCI 410D1
No credit will be given for this course unless both NSCI 410D1 and NSCI 410D2 are successfully completed in consecutive terms
NSCI 410D1 and NSCI 410D2 together are equivalent to NSCI 410
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

NSCI 420
Credit Weight: 9
Transcript Title: Independent Research 2
Calendar Title: Independent Research 2.
Description:
Independent laboratory research in neuroscience.
Symbols:
Notes:
Prerequisites: NSCI 200 and NSCI 201
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

NSCI 420D1
Credit Weight: 4.5
Transcript Title: Independent Research 2
Calendar Title: Independent Research 2.
Description:
Independent laboratory research in neuroscience.
Notes:
Prerequisites: NSCI 200 and NSCI 201
Restrictions: Only open to students registered in the B.Sc. Neuroscience Major. Not open to students who have taken or are taking NSCI 410.
Students must register for both NSCI 420D1 and NSCI 420D2.
No credit will be given for this course unless both NSCI 420D1 and NSCI 420D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active

NSCI 420D2
Credit Weight: 4.5
Transcript Title: Independent Research 2
Calendar Title: Independent Research 2.
Description:
See NSCI 420D1 for course description.
Notes:
Prerequisite: NSCI 420D1
Restrictions: Only open to students registered in the B.Sc. Neuroscience Major. Not open to students who have taken or are taking NSCI 410.
No credit will be given for this course unless both NSCI 420D1 and NSCI 420D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

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**NSCI 420N1**

**Credit Weight:** 4.5

**Transcript Title:** Independent Research 2

**Calendar Title:** Independent Research 2.

**Description:**
Independent laboratory research in neuroscience.

**Notes:**
- Prerequisites: NSCI 200 and NSCI 201
- Restrictions: Only open to students registered in the B.Sc. Neuroscience Major.
- Not open to students who have taken or are taking NSCI 410.
- Students must register for both NSCI 420N1 and NSCI 420N2.
- No credit will be given for this course unless both NSCI 420N1 and NSCI 420N2 are successfully completed in a twelve month period.
- NSCI 420N1 and NSCI 420N2 together are equivalent to NSCI 420.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

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**NSCI 420N2**

**Credit Weight:** 4.5

**Transcript Title:** Independent Research 2

**Calendar Title:** Independent Research 2.

**Description:**
See NSCI 420N1 for course description.

**Notes:**
- Prerequisite: NSCI 420N1
- No credit will be given for this course unless both NSCI 420N1 and NSCI 420N2 are successfully completed in a twelve month period.
- NSCI 420N1 and NSCI 420N2 together are equivalent to NSCI 420

**Administering Faculty:** Faculty of Science

**Teaching Department:** Biology

**Status (catalog level):** Active

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**NSCI 430D1**

**Credit Weight:** 4.5

**Transcript Title:** Honours Research Project

**Calendar Title:** Honours Research Project.

**Description:**
Students undertake an independent research project in the field of neuroscience under the guidance of an established McGill neuroscientist. They are expected to obtain hands-on research experience in their supervisor's laboratory, learn about the strengths and limitations of the methodology and work independently.

**Notes:**
- Prerequisites: NSCI 200, NSCI 201, NSCI 300
- Corequisites: NSCI 400D1, NSCI 400D2
- Restrictions: Only open to U3 students registered in the B.Sc. Honours Neuroscience. Requires departmental approval. Students must register for both NSCI 430D1 and NSCI 430D2. No credit will be given for this course unless both NSCI 430D1 and NSCI 430D2 are successfully completed in consecutive terms.
- Students must register for both NSCI 420D1 and NSCI 420D2
No credit will be given for this course unless both NSCI 430D1 and NSCI 430D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biology  
**Status (catalog level):** Active

**NSCI 430D2**  
**Credit Weight:** 4.5  
**Transcript Title:** Honours Research Project  
**Calendar Title:** Honours Research Project.  
**Description:**  
Students undertake an independent research project in the field of neuroscience under the guidance of an established McGill neuroscientist. They are expected to obtain hands-on research experience in their supervisor's laboratory, learn about the strengths and limitations of the methodology and work independently.  
**Notes:**  
Prerequisites: NSCI 200, NSCI 201, NSCI 300  
Corequisites: NSCI 400D1, NSCI 400D2  
Restrictions: Only open to U3 students registered in the B.Sc. Honours Neuroscience. Requires departmental approval. Students must register for both NSCI 430D1 and NSCI 430D2. No credit will be given for this course unless both NSCI 430D1 and NSCI 430D2 are successfully completed in consecutive terms.  
Prerequisite: NSCI 430D1  
No credit will be given for this course unless both NSCI 430D1 and NSCI 430D2 are successfully completed in consecutive terms.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Biology  
**Status (catalog level):** Active
NUR1 200
Credit Weight: 4
Transcript Title: Biology for Illness & Therapy
Calendar Title: Biology for Illness and Therapy.
Description:
Notes:
Prerequisite: CHEM 212 or CHEM 232 or equivalent.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 209
Credit Weight: 3
Transcript Title: Pathophysiology for Nursing 1
Calendar Title: Pathophysiology for Nursing 1.
Description:
This course will focus on the study of the physiological control mechanisms and pathophysiologic alterations in health across the lifespan, looking at selected diseases that are the most prevalent in North America. It will explore concepts of disease causation: acquired, immune, infectious, carcinogenic, genetic, and biochemical alterations in health in selected body systems. There will be an emphasis on etiology, cellular and systemic pathophysiologic responses, clinical manifestations, diagnostic, and treatment modalities.
Notes:
Prerequisite(s): BIOL 112, CHEM 110, CHEM 120, CHEM 212, PHYS 101, & PHYS 102 or equivalent.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 210
Credit Weight: 3
Transcript Title: Pathophysiology for Nursing 2
Calendar Title: Pathophysiology for Nursing 2.
Description:
This course will build on previous knowledge from NUR1 209, and focus on the study of the physiology of organ systems and the pathophysiologic alterations in health across the lifespan, looking at selected diseases of the reproductive, cardiovascular, renal, digestive, and neurological, endocrine and hematological systems that are the most prevalent in North America. It will explore concepts of disease causation in the: acquired, immune, infectious, carcinogenic, genetic, and biochemical alterations in health in selected body systems. There will be an emphasis on etiology, cellular and systemic pathophysiologic responses, clinical manifestations, diagnostic, and treatment modalities.
Notes:
Prerequisite(s): NUR1 209
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 219
Credit Weight: 1  
Transcript Title: Transition to McGill Model  
Calendar Title: Transition to the McGill Model.  
Description:  
This course introduces students to the McGill Model of Nursing.  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR1 222  
Credit Weight: 3  
Transcript Title: Strengths-Based Nurs&Prof Prac  
Calendar Title: Strengths-Based Nursing and Professional Practice.  
Description:  
This course provides an overview of the history of nursing, the philosophical and theoretical tenets of Strengths-Based Nursing (SBN) and the pivotal contributions of nursing in the health care system. An understanding of SBN is developed through the study of selected topics and concepts related to nursing practice, health promotion, research, and ethics.  
Notes:  
Restriction(s): Not open to students in U0.  
Corequisite(s): IPEA 500  
A fee of $25.56 for two name pins will be charged based on registration in this course.  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR1 224  
Credit Weight: 4  
Transcript Title: Ind&Fam Dev Across Lifespans 1  
Calendar Title: Individual and Family Development Across Lifespans 1.  
Description:  
In this course students will explore the development of adults and their families to identify biological, psychological, and sociocultural perspectives of aging using a strength-based nursing framework. In this foundational inquiry based learning course students will work in groups and independently, evaluating and applying research to build upon existing knowledge and explore health and illness situations.  
Notes:  
Prerequisites or corequisites: NUR1 209 & NUR1 222  
Corequisite(s): NUR1 230, NUR1 234, and NUR1 235  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR1 225  
Credit Weight: 4  
Transcript Title: Ind&Fam Dev Across Lifespans 2  
Calendar Title: Individual and Family Development Across Lifespans 2.  
Description:  
In this course students will explore the development of young families to understand biological, psychological, and sociocultural perspectives using a strength-based nursing framework. The focus of this course will be on individuals 0-18 years old and their families. This inquiry based learning course will build upon NUR1 224.
NUR1 230
Credit Weight: 1
Transcript Title: Supporting Health and Healing Capacities 1.
Calendar Title: Supporting Health and Healing Capacities 1.
Description:
This laboratory course addresses a range of clinical skills that support health and healing capacities in adults.
Notes:
Co-requisites: NUR1 224, NUR1 234, NUR1 235
Pre/co-requisites: NUR1 209, NUR1 222
A nominal fee of $25.31 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 231
Credit Weight: 1
Transcript Title: Supporting Health and Healing Capacities 2.
Calendar Title: Supporting Health and Healing Capacities 2.
Description:
This laboratory course builds on NUR1 230 and addresses a range of clinical skills that support health and healing capacities in young families.
Notes:
Prerequisite: NUR1 230
Prerequisite/ co-requisites: NUR1 210, NUR1 311
Corequisites: NUR1 225, NUR1 233, NUR1 236
A nominal fee of $34.17 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 233
Credit Weight: 2
Transcript Title: Promoting Young Family Development
Calendar Title: Promoting Young Family Development.
Description:
This clinical course focuses on identifying indicators of healthy development in individuals and families during two phases of development, the birth of a baby and the young preschooler. Students will develop skill in the assessment of these...
individuals and families and explore nursing approaches that promote their health.

Notes:
Prerequisites: NUR1 230, NUR1 234, NUR1 235
Corequisites: IPEA 501, NUR1 225, NUR1 231 and NUR1 236

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 234
Credit Weight: 2
Transcript Title: Nursing Older Adults
Calendar Title: Nursing Older Adults.
Description:
A clinical course providing basic knowledge and skills in promoting and maintaining biological, psychological, and social processes of health in the aged. Students will acquire skill in gerontological nursing assessment and intervention with the elderly living in the community.

Notes:
Pre/co-requisites: NUR1 209 and NUR1 222
Corequisite(s): NUR1 224, NUR1 230, NUR1 235

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 235
Credit Weight: 3
Transcript Title: Health & Physical Assess/Anat1
Calendar Title: Health and Physical Assessment/Anatomy 1.
Description:
This course develops knowledge and skills required to perform a health history and complete health and physical assessment across the lifespan. Human anatomy will be integrated throughout.

Notes:
Pre/co-requisites: NUR1 209, NUR1 222
Corequisite(s): NUR1 224, NUR1 230, NUR1 234

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 236
Credit Weight: 3
Transcript Title: Health & Physical Assess/Anat2
Calendar Title: Health and Physical Assessment/Anatomy 2.
Description:
This course builds upon NUR1 235 and further develops knowledge and skills required to perform a health history and complete health and physical assessment across the lifespan. Human anatomy will be integrated throughout.

Notes:
Prerequisite(s): NUR1 235
Pre-corequisite/co-requisites: NUR1 210, NUR1 311
Corequisite(s): NUR1 225, NUR1 231, NUR1 233

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 300
Credit Weight: 3
Transcript Title: Pharmacology for Nursing 1  
Calendar Title: Pharmacology for Nursing 1.  
Description:  
This introductory course will focus on drug mechanisms of action, pharmacodynamics, pharmacokinetics, pharmacotherapeutics, patient safety and professional nursing responsibilities in drug administration. Pharmacotherapeutic challenges across the life span will be addressed. Health promotion as it relates to pharmacologic agents, drug safety, and evidence-based nursing implications for teaching, medication administration and monitoring will be explored.  
Notes:  
Prerequisite(s): NUR1 209 and NUR1 210  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR1 301  
Credit Weight: 3  
Transcript Title: Pharmacology for Nursing 2  
Calendar Title: Pharmacology for Nursing 2.  
Description:  
This course will build on knowledge from NUR1 300. It will apply and expand upon knowledge on drug mechanisms of action, pharmacodynamics, pharmacokinetics, patient safety and professional nursing responsibilities in drug administration. Pharmacotherapeutic challenges related to cardiovascular, reproductive, digestive, renal, neurological, hematological, musculoskeletal systems, as well as, toxicology, addiction will be addressed. Health promotion as it relates to pharmacologic agents, drug safety, and evidence-based nursing implications for teaching, medication administration and monitoring will be explored.  
Notes:  
Prerequisite(s): NUR1 300  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR1 311  
Credit Weight: 3  
Transcript Title: Infection Prevention & Control  
Calendar Title: Infection Prevention and Control.  
Description:  
Principles of microbiology and their application to clinical practice in acute and community care settings. Laboratory diagnostics, infectious diseases, and infection prevention and control principles and activities are covered.  
Notes:  
Prerequisite: NUR1 209  
Pre/ co-requisite: NUR1 210  
Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR1 312  
Credit Weight: 3  
Transcript Title: Research in Nursing  
Calendar Title: Research in Nursing.  
Description:  
Quantitative and qualitative approaches to nursing research and guidance to effectively critique research and apply the results to clinical practice,
including: formulating a research question, research design issues, strategies for
data collection and analysis, appraisal and utilization of nursing research.

Notes:

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 318
Credit Weight: 4
Transcript Title: Chronic Illness & Pall Hlth Chall
Calendar Title: Chronic Illness and Palliative Health Challenges.
Description:
An analysis of how biological, psychological and sociocultural factors influence
living with chronic and palliative health challenges using a
strengths-based nursing approach. Evidence-informed approaches to nursing persons
and their families in selected health situations will be prioritized.

Notes:
Pre/corequisites: NUR1 209, NUR1 222, NUR1 312
Corequisite: NUR1 338
Restriction(s): Only open to BNI students.

NUR1 320
Credit Weight: 3
Transcript Title: Critical Care Nursing Theory
Calendar Title: Critical Care Nursing Theory.
Description:
The focus of this course is the management of critical illness situations, the
impact of psychological, behavioural and biological responses of stress and
illness and the impact this complex interplay has on the personal and contextual
resources of patients and their families. It will explore evidence informed
management approaches to a range of symptoms and patient conditions as well as
nurse sensitive indicators of care, taking into account research evidence,
clinical expertise, and patient preferences.

Notes:
Prerequisite: NUR1 209
Pre/corequisites: NUR1 210, NUR1 312
Corequisite(s): IPEA 501, NUR1 327, NUR1 339
Restriction(s): Not open to students who have taken NUR1 319 or NUR1 324.
Restriction(s): Not open to students in the Bachelor of Nursing (Integrated
Nursing) program.

NUR1 322
Credit Weight: 3
Transcript Title: Chron Illness & Palliative Care
Calendar Title: Chronic Illness and Palliative Care.
Description:
The biological, psychological and social factors which influence living with
chronic illness are examined. Empirical findings linking different chronic
stressors to coping responses and to health outcomes are reviewed. Issues in
palliative care, the care of the dying, and the nature of bereavement are
reviewed.
Notes:
Prerequisite(s): NUR1 331 or NUR1 319
Co-requisite(s): IPEA 502
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 323
Credit Weight: 3
Transcript Title: Illness Management 1
Calendar Title: Illness Management 1.
Description:
The focus of this course is the medical, surgical and nursing management of the major illnesses in adults and children. Topics will include diagnostic tests, drug therapies, dietary management, exercise, relaxation techniques, pain management approaches, patient education, and strategies for maintaining physical and emotional well-being.
Notes:
Prerequisite(s): NUR1 209, NUR1 210
Corequisite(s): NUR1 300
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 324
Credit Weight: 3
Transcript Title: Illness Management 2
Calendar Title: Illness Management 2.
Description:
Medical, surgical, and nursing management of the major illnesses in adults and children. Topics will include diagnostic tests, drug therapies, dietary management, symptom management, patient education, and strategies for maintaining physical and emotional well-being.
Notes:
Prerequisite(s): NUR1 323
Corequisite(s): IPEA 502 and NUR1 301
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 325
Credit Weight: 4
Transcript Title: Acute, Chronic & Pall Hlth Chall 1
Calendar Title: Acute, Chronic, and Palliative Health Challenges 1.
Description:
In this course students will explore how biological, psychological and sociocultural factors influence living with acute, chronic and palliative health conditions using a strength-based nursing framework. Students will apply evidence informed approaches to nursing persons and their families in selected health situations. This inquiry based learning course will build upon NUR1 225.
Notes:
Prerequisite: NUR1 225
Corequisites: NUR1 323, NUR1 332, NUR1 336
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR1 326

Credit Weight: 4
Transcript Title: Acute, Chronic, and Palliative Health Challenges 2
Calendar Title: Acute, Chronic, and Palliative Health Challenges 2.
Description:
In this course students will analyze how biological, psychological and sociocultural factors influence living with acute, chronic and palliative health conditions using a strength-based nursing framework. Students will prioritize evidence informed approaches to nursing persons and their families in selected health situations. This course will build upon NUR1 325.
Notes:
Prerequisite(s): NUR1 325
Corequisite(s): NUR1 324, NUR1 333 or NUR1 431
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 327

Credit Weight: 4
Transcript Title: Critical Health Challenges
Calendar Title: Critical Health Challenges.
Description:
An analysis of how biological, psychological and sociocultural factors influence critical illness experiences using a strengths-based nursing approach. Evidence-informed approaches to nursing persons and their families in selected critical health challenges will be prioritized.
Notes:
Corequisites: NUR1 320 and NUR1 339
Prerequisite(s): NUR1 318
Restriction(s): Only open to BNI students.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 329

Credit Weight: 3
Transcript Title: Skin Integrity and Wound Care
Calendar Title: Skin Integrity and Wound Care.
Description:
This course will focus on teaching the principles of assessment and evidence-informed management of chronic and acute wounds in the clinical and community setting. Pressure ulcers, venous leg ulcers, wound infections, debridement, wound care products, compression and other types of chronic wounds will be covered along with appropriate treatment options, the expanded professional and legal scope practice and the role of the multidisciplinary team in managing complex wound care and patient and family teaching and education strategies to support health and healing.
Notes:
Prerequisite(s): NUR1 209, NUR1 210, and NUR1 331 or NUR1 434 or NUR1 435
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 331

Credit Weight: 4
Transcript Title: Nursing in Illness 1
Calendar Title: Nursing in Illness 1.
Description:
Knowledge, clinical reasoning skills, and approaches to strengths-based nursing care of individuals and families experiencing acute and/or chronic illness events requiring hospitalization.
Notes:
Prerequisite(s): NUR1 233
Corequisite(s): NUR1 335
**Web withdrawal deadline is the fourth lecture day.
**In order to secure placement in clinical course, the add/drop is March 30, 2022 which is before the start of the course.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 332
Credit Weight: 4
Transcript Title: Nursing in Illness 2
Calendar Title: Nursing in Illness 2.
Description:
Knowledge, clinical reasoning skills, and approaches to strengths-based nursing care, including establishing inter-patient priorities, of individuals and families experiencing acute and/or chronic illness events requiring hospitalization.
Notes:
Prerequisite(s): NUR1 331
Corequisite(s): NUR1 325, NUR1 336, NUR1 323
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 333
Credit Weight: 3
Transcript Title: Nursing in Illness 3
Calendar Title: Nursing in Illness 3.
Description:
Knowledge, clinical reasoning skills, and approaches to strengths-based nursing care, including establishing priorities among groups of patients/families experiencing acute and/or chronic illness events requiring hospitalization.
Notes:
Prerequisite(s): NUR1 332
Register by October 1st to ensure placement.
**In order to secure placement in clinical course, the add/drop is March 30, 2022 which is before the start of the course.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 335
Credit Weight: 1
Transcript Title: Illness Mgmt Clin Skills Lab 1
Calendar Title: Illness Management Clinical Skills Laboratory 1.
Description:
This laboratory course addresses illness management clinical technical skills and is the companion course to Nursing in Illness 1. Students develop the following areas with respect to a range of clinical technical skills: a) knowledge of the
technical skill itself; b) an understanding of the risks and patient safety issues associated with the procedure; c) knowledge of the infection prevention and control guidelines required to perform the skill; d) fine and gross psychomotor skills relative to performing the procedure; e) sensitivity to the patient experience related to the procedure.

Notes:
Prerequisite(s): NUR1 231
Corequisite(s): NUR1 331

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

A nominal fee of $99.15 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 336
Credit Weight: 1
Transcript Title: Illness Mgmt Clin Skills Lab 2
Calendar Title: Illness Management Clinical Skills Laboratory 2.

Description:
This laboratory course addresses illness management clinical technical skills and is the companion course to Nursing in Illness 2. Students develop the following areas with respect to a range of clinical technical skills: a) knowledge of the technical skill itself; b) an understanding of the risks and patient safety issues associated with the procedure; c) knowledge of the infection prevention and control guidelines required to perform the skill; d) fine and gross psychomotor skills relative to performing the procedure; e) sensitivity to the patient experience related to the procedure.

Notes:
Prerequisite(s): NUR1 335
Corequisite(s): NUR1 323, NUR1 336

nominal fee of $110.44 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 338
Credit Weight: 3
Transcript Title: Appl Hlth&Phys Assessmt/Anat1
Calendar Title: Applied Health and Physical Assessment/Anatomy 1.

Description:
This course builds on and develops advanced knowledge and skills required to perform a health history and complete health and physical assessment across the lifespan. Human anatomy will be integrated throughout.

Notes:
Corequisite: NUR1 318
Pre/corequisite: NUR1 209

**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

### NUR1 339

**Credit Weight:** 3  
**Transcript Title:** Appl Hlth&Phys Assessmt/Anat 2  
**Calendar Title:** Applied Health and Physical Assessment/Anatomy 2.  
**Description:** This course builds upon NUR1 338 and further develops knowledge and skills required to perform a health history and complete health and physical assessment across the lifespan, and apply to specific patient populations. Human anatomy will be integrated throughout.  
**Notes:**  
Prerequisite: NUR1 338  
Pre/corequisite: NUR1 210  
Co-requisites: NUR1 320, NUR1 327  
Restriction(s): Not open to students who have taken NUR1 239  

**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

### NUR1 420

**Credit Weight:** 3  
**Transcript Title:** Primary Health Care  
**Calendar Title:** Primary Health Care.  
**Description:** Principles of accessibility, public participation, intersectoral and interdisciplinary collaboration, appropriate technology, and health promotion and illness prevention are discussed in relation to the planning and delivery of local, regional, and international health delivery systems. Topics include the infrastructure that supports health, and socio-economic, political and cultural contexts of health.  
**Notes:**  
Corequisite: NUR1 431 or NUR1 432  

**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

### NUR1 421

**Credit Weight:** 3  
**Transcript Title:** Resources:Special Populations  
**Calendar Title:** Resources: Special Populations.  
**Description:** The concept of social support is explored and links between social networks and health are examined. Groups at health risk including the homeless, poor, and new immigrants are identified. Types and functions of community groups available as social resources for these groups will be discussed.  
**Notes:**  
Prerequisite(s): NUR1 420  
Corequisite(s): NUR1 431 or NUR1 432  

**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active
NUR1 423
Credit Weight: 4
Transcript Title: Leading Change: Policy & Practice
Calendar Title: Leading Change: Policy and Practice.
Description: In this course students will critique today's healthcare environment and professional practice issues. The focus will be on the development of leadership skills to influence policy and practice.
Notes: Prerequisite: NUR1 424
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 424
Credit Weight: 4
Transcript Title: Legal, Ethical & Professional Practice Issues
Calendar Title: Legal, Ethical, and Professional Practice Issues.
Description: In this course students will integrate principles of ethical and legal nursing practice standards to complex health situations for persons and their families. There will be a focus on professional accountability, liability, and advocacy.
Notes: Prerequisite(s): NUR1 333 or NUR1 434 or NUR1 435
Prerequisite for B.Sc.(N.) students: NUR1 326
Prerequisite for B.N. (Integrated) students: NUR1 327
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 428
Credit Weight: 3
Transcript Title: Learning and Health Education
Calendar Title: Learning and Health Education.
Description: This course examines how cognitive, behaviorist, and social learning theories may be used to enhance individual and family health behaviors, coping and development. Topics include: learning theories; principles of teaching and learning, support groups, issues around clients' use of information technology for health information.
Notes: Restriction: Not open to students who have taken NUR1 328.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 431
Credit Weight: 3
Transcript Title: Community Health Nursing Practicum
Calendar Title: Community Health Nursing Practicum.
Description: In this clinical course, students will apply the guiding principles and values of primary health care through the application of the community health nursing process using capacity building and strength based approach in partnership with individuals, families and groups within the health care system leading to enhanced
compeptencies in prevention, health protection, maintenance, restoration and palliation.

Notes:
Prerequisite(s): NUR1 326 and NUR1 332 or NUR1 327 and NUR1 434 or NUR1 435
Register by October 1st to ensure placement.
**In order to secure placement in clinical course, the add/drop is March 30, 2022 which is before the start of the course.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 432
Credit Weight: 3
Transcript Title: Community Health Nsg Project
Calendar Title: Community Health Nursing Project.
Description:
In this clinical course, students will apply the guiding principles and values of primary health care through the application of the community health nursing process using capacity building and strength based approach in partnership with populations and communities outside the health care system leading to a health promotion project.

Notes:
Prerequisites for B.Sc.(N.) students: NUR1 332, NUR1 336
Prerequisites for B.N. (Integrated) students: NUR1 327, NUR1 434 or NUR1 435

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 434
Credit Weight: 4
Transcript Title: Critical Care Nursing Pract
Calendar Title: Critical Care Nursing Practicum.
Description:
Advancing nursing practice through clinical and research activities. Hospital-based studies involve planning and providing direct patient care; one-to-one discussions with their clinical teacher/preceptor; peer discussions; and clinical rounds, with the goal of enhancing the breadth and depth of critical thinking and clinical decision-making.

Notes:
Prerequisite(s): NUR1 320, NUR1 327 and NUR1 339
Restrictions: Not open to students who have taken NUR1 334.
Only open to B.N. (Integrated) students
**Due to the length of the clinical course, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.
**In order to secure placement in clinical course, the add/drop is March 30, 2022 which is before the start of the course.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR1 435
Credit Weight: 4
Transcript Title: Ambassador Critical Care Pract
Calendar Title: Ambassador Critical Care Practicum.
Description:
This clinical nursing experience offers students an opportunity to consolidate their critical care knowledge and assessment skills in clinical settings outside
the McGill University Teaching Hospital Network.

Notes:
Prerequisite(s): NUR1 320, NUR1 327 and NUR1 339
Restriction(s): Permission of the instructor.

**Web add/drop deadline is March 30, 2020, which is before the start of classes.

**Web withdrawal deadline is the fourth lecture day.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR1 529
Credit Weight: 4
Transcript Title: Critical Care Nursing
Calendar Title: Critical Care Nursing.
Description:
This intensive clinical nursing experience focuses on the assessment and care of individuals and their families dealing with a critical and potentially life threatening health event.

Notes:
Prerequisite(s): NUR1 424, NUR1 431, NUR1 432
Restriction: Only open to B.Sc.(N.) students.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR1 530
Credit Weight: 5
Transcript Title: Nursing Practice Consolidation
Calendar Title: Nursing Practice Consolidation.
Description:
This clinical nursing experience offers students an opportunity to consolidate their knowledge and assessment skills in either community nursing or critical care.

Notes:
Prerequisite(s): NUR1 431 and NUR1 432
Restriction: Only B.Sc.(N) Program

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR1 531
Credit Weight: 5
Transcript Title: Ambassador Nurs Pract Consol
Calendar Title: Ambassador Nursing Practice Consolidation.
Description:
This clinical nursing experience offers students an opportunity to consolidate their knowledge and assessment skills in either community nursing or critical care in clinical settings outside the McGill University.

Notes:
Corequisite: NUR1 423
Prerequisite: NUR1 432
Restriction(s): Only open to B.Sc.(N.) students and permission of the instructor.

Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR1 548
Credit Weight: 3
Transcript Title: Intro to Telehealth Nursing
Calendar Title: Introduction to Telehealth Nursing.
Description:
Introduction to the clinical, technological, administrative and ethical legal aspects of telehealth nursing.
Notes:
Limited Enrollment.
Only open to students registered in a Nursing program at McGill.
Prerequisites: NUR1 331 OR NUR2 511D1/D2
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR2 209
Credit Weight: 3
Transcript Title: Human Physiol for Health Care1
Calendar Title: Human Physiology for Health Care 1.
Description:
The study of human physiology including healthy functioning of different organ systems such as immunological, hematological, and neurological. Exploration of some updates and advanced topics in the field of human physiology such as epigenetics, differences between stem cells and artificial cells and discrete specific immune responses. Emphasis will be on linking understanding of these concepts to maintain, promote and enhance overall health and well-being.
Notes:
Restrictions: Open to students in U3 of an undergraduate degree, students who have completed an undergraduate degree or to students who have special permission of the instructor.
Prerequisites: BIOL 111, BIOL 112 CHEM 110, CHEM 120, CHEM 212 (or equivalents)
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 210
Credit Weight: 3
Transcript Title: Human Physiol for Health Care2
Calendar Title: Human Physiology for Health Care 2.
Description:
The study of human physiology including healthy functioning of different organ systems such as cardiovascular, renal, and reproductive. Exploration of some updates and advanced topics in the field of human physiology such as chronobiology, sport physiology and the physiological mechanism of aging. Emphasis will be on linking understanding of these concepts to maintain, promote and enhance overall health and well-being.
Notes:
Prerequisites: NUR2 209 (or equivalent)
Restrictions: Open to students in U3 of an undergraduate degree, students who have completed an undergraduate degree or to students who have special permission of the instructor.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 500
Credit Weight: 4
Transcript Title: Integrated Health Sciences 1
Calendar Title:
Description:
This integrated health sciences course will focus on the study of the pathophysiologic alterations in health across the lifespan, looking at selected diseases and pharmacotherapy that are most prevalent in North America. It will explore concepts of disease causation: acquired, immune, infectious, carcinogenic, genetic, and biochemical alterations in health in selected body systems with an emphasis on etiology, cellular and systemic pathophysiologic responses, clinical manifestations, diagnostic, and pharmacological treatment modalities. A focus on drug mechanisms of action, pharmacodynamics, pharmacokinetics, pharmacotherapeutics, patient safety and professional nursing responsibilities in drug administration will also be covered. Hematologic, musculoskeletal, cardiac, neurological integumentary and multiple interacting systems with an emphasis on etiology, cellular and systemic pathophysiologic responses, clinical
manifestations, diagnostic, and treatment modalities will be reviewed.

Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR2 501
Credit Weight: 4  
Transcript Title: Integrated Health Sciences 2  
Calendar Title: Integrated Health Sciences 2.  
Description:  
This course will build on previous knowledge from NUR2 500 and focus on the study of the pathophysiologic alterations in health across the lifespan, looking at selected diseases that are the most prevalent in North America. Namely examining illness and diseases of the reproductive, endocrine, renal, urologic and digestive systems as well as mental health illness. A focus on drug mechanisms of action, pharmacodynamics, pharmacokinetics, pharmacotherapeutics, patient safety and professional nursing responsibilities in drug administration related to these pathophysiologic alterations in health will be reviewed.

Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR2 510
Credit Weight: 3  
Transcript Title: Practice of Nursing 1  
Calendar Title: Practice of Nursing 1.  
Description:  
Introduction to the nursing profession, including the principles of strength-based nursing care and the study of concepts, values and approaches basic to nursing. Examination of the application to practice and development of health promotion interventions with people in later life and with a particular focus on healthy aging and rehabilitation.

Notes:  
Corequisite(s): NUR2 513 and NUR2 517  
Restriction(s): Not open to students who have taken NUR2 511D1.

Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR2 511
Credit Weight: 3  
Transcript Title: Practice of Nursing 2  
Calendar Title: Practice of Nursing 2.  
Description:  
An exploration of how families cope with the transition of expected and unexpected life events with a focus on the essential qualities of the nursing therapeutic relationship and the impact it has on individual/family outcomes, including strength-based nursing care. Integration of family-centered, health-centered and collaborative care. Nurses strengths of mindset, knowledge and knowing, relationships and advocacy. Values, beliefs and attitudes in relation to parenting, breast-feeding, role acquisition and mental health.

Notes:  
Corequisite(s): NUR2 514 and NUR2 518  
Restriction(s): Not open to students who have taken NUR2 511D2.

Administering Faculty: Ingram School of Nursing  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active
NUR 512
Credit Weight: 4
Transcript Title: Practice and Theory in Nursing
Calendar Title: Practice and Theory in Nursing.
Description:
Learning to nurse patients in acute care settings, who are experiencing a variety of common illness-related problems.
Notes:
Prerequisite(s): NUR 514
**Due to the length of the clinical course, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.
**Although this course officially starts on May 11th, there will be an intro session on May 4th.
*In order to secure placement in clinical course, the add/drop is March 30, 2021 which is before the start of the course.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 513
Credit Weight: 4
Transcript Title: Introduction to Nursing Care
Calendar Title: Introduction to Nursing Care.
Description:
Clinical field experiences provide opportunities for students to apply the knowledge, concepts and approaches learned in nursing and allied health courses. Learning to promote health during normative and non-normative life events is a major focus. This includes the practice and development of biophysical, interpersonal and technical nursing skills. In addition, field experiences enable students to demonstrate leadership, self-direction and professionalism in their interactions with clients and families as well as in their work with professional colleagues from nursing and other disciplines.
Notes:
Corequisite(s): NUR 510, NUR 517, IPEA 500.
Restriction(s): Not open to students who have taken NUR 513 prior to 201909.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 514
Credit Weight: 4
Transcript Title: Introduction to Nursing 2
Calendar Title: Introduction to Nursing 2.
Description:
This course aims to include a wide range of concepts related to developmental issues, safety, culture, working with the family as the unit of care and coping with acute illness. Strength-based nursing, nursing process, systematic assessment, illness specific management, ethical issues and developing knowledge specific to the clinical area will guide the student's learning. The field experiences enable students to continue to develop a strength-based patient family approach to promote health during a normative life event (maternal-child) and a non-normative life events (mental health/illness crisis).
Notes:
Prerequisite(s): NUR 513
Corequisite(s): NUR 511, NUR 518 and IPEA 501
Restriction(s): Not open to students who have taken NUR2 514 prior to 201909
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 515
Credit Weight: 3
Transcript Title: Applied Statistics for Nursing
Calendar Title: Applied Statistics for Nursing.
Description: Principles of data analysis and statistical inference with an emphasis on the utilization and interpretation of analysis of variance and regression procedures in nursing research. An additional emphasis will be on critiquing data analysis in current nursing research articles.
Notes: Prerequisite(s): PSYC 204 or Undergraduate Introductory-Level Statistics Course

Restriction: Open to students registered in the M.Sc. (Applied) in Nursing (Global Health area of study) and to Direct-Entry Qualifying year students or with permission from the instructor
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 516
Credit Weight: 3
Transcript Title: Perspectives on Global Health
Calendar Title: Perspectives on Global Health.
Description: An overview of the main issues in global health studies, approaches by which to understand these issues, and the importance of making reasoned links between the key global health studies concepts.
Notes: Restriction: Open to students registered in the M.Sc. (Applied) in Nursing (Global Health area of study) and to Direct-Entry Qualifying year students or with permission from the instructor

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 517
Credit Weight: 1
Transcript Title: Nursing Clinical Skills Lab 1
Calendar Title: Nursing Clinical Skills Laboratory 1.
Description: This laboratory course addresses a range of clinical skills that support health and healing capacities in adults.
Notes: Corequisite(s): NUR2 510, NUR2 513 and IPEA 500.
Restriction: Not open to students who have taken NUR2 513 prior to 201909.
A nominal fee of $25.31 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR2 518
Credit Weight: 1
Transcript Title: Nursing Clinical Skills Lab 2
Calendar Title: Nursing Clinical Skills Laboratory 2.
Description:
This laboratory course addresses a range of clinical skills that support health and healing capacities in adults and newborns.
Notes:
Corequisite(s): NUR2 511, NUR2 514 and IPEA 501
Restriction: Not open to students who have taken NUR2 514 prior to 201909.
A nominal fee of $28.81 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 519
Credit Weight: 1
Transcript Title: Nursing Clinical Skills Lab 3
Calendar Title: Nursing Clinical Skills Laboratory 3.
Description:
Illness management clinical technical skills, including risks and patient safety issues associated with the procedure; the infection prevention and control guidelines required to perform the skill; fine and gross psychomotor skills relative to performing the procedure; and sensitivity to the patient experience related to the procedure.
Notes:
Corequisite: NUR2 512
A nominal fee of $99.15 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.
**Due to the length of the clinical course, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 521
Credit Weight: 1.5
Transcript Title: Wound Care 1
Calendar Title: Wound Care 1.
Description:
The introductory principles of assessment and evidence-informed management of chronic and acute wounds in the clinical and community setting. Pressure ulcers, venous leg ulcers, wound infections, wound care products, compression and other types of chronic wounds will be covered along with appropriate treatment options. Nutrition and healing factors will also be explored. The expanded professional and legal scope practice and the role of the multidisciplinary team in managing
complex wound care and patient and family teaching and education strategies to support health and healing will be foundational.

Notes:
**Due to the length of the clinical course, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.
*In order to secure placement in clinical course, the add/drop is March 30, 2021 which is before the start of the course.

**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

NUR2 534
**Credit Weight:** 3  
**Transcript Title:** Health Assessment/Anatomy 1  
**Calendar Title:** Health Assessment/Anatomy 1.  
**Description:** This course develops knowledge and skills required to perform a health history and complete health and physical assessment across the lifespan. Human anatomy will be integrated throughout.

Notes:  
Corequisite(s): NUR2 513, NUR2 510  
**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

NUR2 535
**Credit Weight:** 3  
**Transcript Title:** Health Assessment/Anatomy 2  
**Calendar Title:** Health Assessment/Anatomy 2.  
**Description:** The skills and techniques of effective and comprehensive health and physical assessment.

Notes:  
Corequisites: NUR2 511, NUR2 514  
Pre-requisite: NUR2 534  
Restriction: Open only to students in the Qualifying Year to the M.Sc.(A.) in Nursing program.  
Passing grade of B- in prerequisite for registration for qualifying year graduate students.  
**Administering Faculty:** Ingram School of Nursing  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

NUR2 590
**Credit Weight:** 2  
**Transcript Title:** Intro to Nursg Theories&Models  
**Calendar Title:** Introduction to Nursing Theories and Models.  
**Description:** In this course, students will explore the philosophical underpinnings and the evolution of nursing knowledge as a science and an art. Using seminar time as an opportunity for reflection and discussion, the student will analyze and define the interrelationships between a variety of nursing theories, models, and concepts; and will explore the root of his/her own perspective on nursing practice. This course provides an overview of various world views that influence knowledge creation and development within nursing practice. Emphasis will be placed on the McGill model of Nursing and its application to guide approach and practice within the nursing process.
Notes:
Restriction(s): Restricted to students in the Qualifying MScA in Nursing.

Administering Faculty: Ingram School of Nursing

Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR2 591
Credit Weight: 4
Transcript Title: Intro to Graduate Practice
Calendar Title: Introduction to Graduate Practice
Description:
This course provides an opportunity for international students with an undergraduate degree in Nursing to be introduced to advanced practice nursing roles within a variety of clinical settings. Students will acquire the knowledge, skills and values necessary for advanced practice nursing through exposure to preceptored clinical experiences. This clinical experience will help students to develop clinical reasoning and judgment in complex clinical situations.

Notes:
Restriction(s): Restricted to students in the Qualifying MScA in Nursing.

Administering Faculty: Ingram School of Nursing

Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR2 600
Credit Weight: 3
Transcript Title: Knowledge Transl in Healthcare
Calendar Title: Knowledge Translation in Healthcare
Description:
An introduction to conceptual models, strategies, and tools to support the identification, implementation, and evaluation of evidence-based practices in nursing and health care. The theoretical foundations for an actual implementation project and an introduction to basic concepts in project management.

Notes:
Prerequisites: NUR2 612

Administering Faculty: Graduate Studies

Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR2 601
Credit Weight: 6
Transcript Title: Applied KT in Healthcare 1
Calendar Title: Applied Knowledge Translation in Healthcare 1
Description:
Preparation and implementation of a Knowledge Translation (KT) project related to best practice approaches in health care delivery. The project is conducted in a clinical setting using a collaborative approach to meet the needs identified by the Clinical Partners. Projects involve the adoption of new nursing practices, care processes or healthcare innovations (e.g., implementation of nursing best-practice guidelines), as well as the evaluation and enhancement of existing nursing care practices or service delivery (e.g., quality improvement initiatives).

Notes:
Prerequisites: NUR2 600

Administering Faculty: Graduate Studies

Teaching Department: Ingram School of Nursing

Status (catalog level): Active
NUR2 602
Credit Weight: 3
Transcript Title: Applied KT in Healthcare 2
Calendar Title: Applied Knowledge Translation in Healthcare 2.
Description: Implementation, dissemination, and sustainability of a knowledge translation (KT) project related to best practice approaches in health care delivery. Dissemination of project findings with a particular focus on sustainability and communication plan with their Clinical Partner(s).
Notes: Prerequisites: NUR2 601
1. This course is 12 weeks in accordance with the schedules at the clinical sites.
Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 603
Credit Weight: 3
Transcript Title: Teaching & Learning in Nursing
Calendar Title: Teaching and Learning in Nursing.
Description: Examination of the role of the nurse educator in healthcare settings and academia. Focus on application of theoretical and evidence-based approaches to education and exploration of how individuals learn and develop within the nursing profession. Development of educational approaches that promote student learning in face-to-face, hybrid, simulated and online learning environments. Emphasis on course design and development process, teaching and facilitation, student assessments, the evaluation of education activities and critical reflection and dialogue to support development of educational leadership.
Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 605
Credit Weight: 3
Transcript Title: Advanced Clinical Reasoning
Calendar Title: Advanced Clinical Reasoning.
Description: Using clinical reasoning skills to generate comprehensive, collaborative, culturally safe and customized advanced nursing care plans in response to commonly presenting illnesses based on the best available evidence and with a strengths-based nursing and healthcare approach. Promoting health team effectiveness by identifying and articulating barriers to sound clinical reasoning, managing conflicts, as well as providing effective feedback and debriefing in challenging clinical situations.
Notes: Prerequisites: NUR2 612
Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 606
Credit Weight: 3
Transcript Title: Clin Reas. in a Glob Context
Calendar Title: Clinical Reasoning in a Global Context.
Description: Generating comprehensive, collaborative, culturally safe and customized advanced nursing care plans in response to commonly presenting health/illness issues in underserved populations including those with limited resources. Identification of barriers to sound clinical reasoning and effectively present nursing care plans to other healthcare professionals in diverse settings.
Notes: Prerequisite: NUR2 612
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 607
Credit Weight: 3
Transcript Title: Children's Nursing
Calendar Title: Children's Nursing
Description: This course aims to understand the biological, psychological, and sociocultural perspectives of children 0-18 years and their families using a strength-based nursing framework. This course will go beyond the traditional developmental approach to nursing children and will explore new ways of thinking about their care.
Notes: Corequisite(s): NUR2 609
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 608
Credit Weight: 3
Transcript Title: Seminar in Nursing
Calendar Title: Seminar in Nursing.
Description: Students gain advanced knowledge of the processes, mechanisms, and principles that promote health and support healing during normative change, illness, and other unexpected events or crises. Through the study of theory, examination of empirical evidence, and discussion of clinical experiences, students develop a philosophical orientation and a value driven approach to nursing to guide their nursing practice with individuals and families. The orientation to practice is Strengths-Based Nursing.
Notes: Restriction(s): Not open to students who have taken NUR2 611D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 609
Credit Weight: 3
Transcript Title: Nursing Care of Children and their Families.
Calendar Title: Nursing Care of Children and their Families.
Description: Clinical experience working with selected children/adolescents and their families in an acute hospital setting. The focus will be on learning to nurse children/adolescents experiencing illness during an admission to an acute health care facility.
Notes:
Corequisite(s): NUR2 611D1
Restriction(s): Not open to students who have taken NUR2 613D1.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 610
Credit Weight: 3
Transcript Title: Ambulatory/Community Care
Calendar Title: Ambulatory/Community Care.
Description: Clinical experience in the community/ambulatory settings integrating concepts related to acute and chronic health concerns within a family-centered framework.

Notes:
Corequisite(s): NUR2 608 and IPEA 502
Restriction(s): Not open to students who have taken NUR2 613D2.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 611
Credit Weight: 3
Transcript Title: Policy Leadership in Nursing
Calendar Title: Policy Leadership in Nursing.
Description: Students continue to gain advanced knowledge of the processes, mechanisms, and principles that promote health and support healing during normative change, illness, and other unexpected events or crises. Through the study of theory, examination of empirical evidence, and discussion of clinical experiences, students develop a philosophical orientation and a value driven approach to nursing to guide their nursing practice with individuals and families.

Notes:
Restriction(s): Not open to students who have taken NUR2 611D1 and NUR2 611D2

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 612
Credit Weight: 3
Transcript Title: Research Methods in Nursing 1
Calendar Title: Research Methods in Nursing 1.
Description: Basic knowledge and skills needed to conduct research. The philosophy and principles of scientific inquiry, research design, sampling, techniques of data collection, ethics, and incorporating research into practice are discussed with emphasis for nursing.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 613
Credit Weight: 4
Transcript Title: Reasoning in Primary Care Practice 1
Calendar Title: Reasoning in Primary Care Practice 1.
Description:
Introduction to the examination of the advanced role and responsibilities of the primary care nurse practitioner (PCNP) with an emphasis on the approach to preventive health, health promotion, illness prevention and the holistic management of acute and chronic conditions affecting patients and families across the lifespan.

Notes:
Restriction: Open to students enrolled in the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Primary Care and/or the Graduate Certificate in Primary Care Nurse Practitioner.

Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 614
Credit Weight: 3
Transcript Title: Reasoning in Primary Care Practice 2
Calendar Title: Reasoning in Primary Care Practice 2.
Description:
Examination of the primary care nurse practitioner (PCNP) role in the holistic management of acute and chronic conditions affecting patients and families across the lifespan with a focus on pharmacological principles.

Notes:
Prerequisite: NUR2 613
Restriction: Open to students enrolled in the M.Sc.(A,) Nurse Practitioner; Non-Thesis - Primary Care and/or the Graduate Certificate in Primary Care Nurse Practitioner.

Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 616
Credit Weight: 4
Transcript Title: Advanced Clinical Skills
Calendar Title: Advanced Clinical Skills.
Description:
Supervised clinical experiences in health care agencies are aimed at developing competence in technical and family nursing skills at an advanced level. Experience is determined on an individual basis according to learning needs and the student's area of interest.

Notes:
**Due to the length of the clinical course, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.
*In order to secure placement in clinical course, the add/drop is March 30, 2021 which is before the start of the course.

Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 617
Credit Weight: 3
Transcript Title: Clin in Fam Systems Nursing 1
Calendar Title: Clinical in Family Systems Nursing 1.
Description:
This course develops the knowledge and skills required to enhance the health of families. Family health has to do with ways of learning, developing, relating, behaving, and thinking which promote physical and psychological

Notes:

**
well-being. It involves coping with adversity by developing or drawing on family and individual strengths, as well as external resources. From the foundational perspective of Strengths-Based Nursing, students will learn approaches to family engagement and assessment using theoretically and empirically grounded strategies for working with families.

Notes:
Corequisite(s): NUR2 608
Restriction(s): Not open to students who have taken NUR2 614D1/D2.
A fee of $25.56 for two name pins will be charged based on registration in this course.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 618
Credit Weight: 3
Transcript Title: Clin in Fam Systems Nursing 2
Calendar Title: Clinical in Family Systems Nursing 2.
Description:
This course continues to develop the knowledge and skills required to enhance the health of families. Family health has to do with ways of learning, developing, relating, behaving, and thinking which promote physical and psychological well-being. It involves coping with adversity by developing or drawing on family and individual strengths, as well as external resources. From the foundational perspective of Strengths-Based Nursing, students will continue to develop approaches to family assessment and intervention using theoretically and empirically grounded strategies for working with families.

Notes:
Corequisite(s): NUR2 611
Restriction(s): Not open to students who have taken NUR2 614D1/D2.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 619
Credit Weight: 1
Transcript Title: Nursing Clinical Skills Lab 4
Calendar Title: Nursing Clinical Skills Laboratory 4.
Description:
This laboratory course addresses illness management clinical technical skills and is the companion course to NUR2 616. Students develop a range of clinical technical skills related to the GI, urinary, integumentary systems as well as resuscitation and emergency skills.

Notes:
Corequisite(s): NUR2 616, NUR2 621
A nominal fee of $110.13 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR 261
Credit Weight: 2
Transcript Title: Wound Care 2
Calendar Title: Wound Care 2.
Description:
This course will focus on teaching the principles of assessment and evidence-informed management of chronic and acute wounds in the clinical and community setting. Wound infections, debridement, wound care products, compression, trauma and other types of chronic and complex wounds will be covered along with appropriate treatment options for general and special populations such as neonatal, pediatric, palliative and obese.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 262
Credit Weight: 3
Transcript Title: Nursing Education Internship
Calendar Title: Nursing Education Internship.
Description:
Nursing education internship with a host organization that focuses on applying and integrating education theory and andragogical issues to teaching practice with a focus on a Strength-based Nursing and health care approach to active learning.
Notes:
Prerequisites: NUR2 603
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 263
Credit Weight: 3
Transcript Title: Clin. Assess. & Therapeutics 1
Calendar Title: Clinical Assessment and Therapeutics 1.
Description:
Medical, surgical, and nursing management of the major illnesses in adults and children. Topics will include diagnostic tests, drug therapies, dietary management, exercise, relaxation techniques, pain management approaches, patient education, and strategies for maintaining physical and emotional well-being.
Notes:
Prerequisites: PATH 300
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 264
Credit Weight: 4
Transcript Title: Clinical Lab in Nursing 2
Calendar Title: Clinical Laboratory in Nursing 2.
Description:
Field experience in nursing, incorporating extensive assessment, experimentation and evaluation of differing nursing approaches.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR2 626
Credit Weight: 3
Transcript Title: Professional Issues in Nursing
Calendar Title: Professional Issues in Nursing.
Description:
An examination of theories of learning and organizational behaviour as related to
the preparation of nurses for the delivery of health care services. Implications
of these theories for the assessment, development, and evaluation of nursing
programs will be investigated.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 628
Credit Weight: 4
Transcript Title: Advanced Assessment
Calendar Title: Advanced Assessment.
Description:
Development of advanced skills in health assessment and physical examination of
clients across the life span, including diagnostic tests and interventions,
documentation and follow-up.
Notes:
Prerequisite: NUR1 235 or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 629
Credit Weight: 4
Transcript Title: Nursing Administration Stage
Calendar Title: Nursing Administration Stage.
Description:
The nurse manager's role in the health care sector. Acquisition of skills and
experience in nursing management under the preceptorship of selected nurse
managers in order to integrate the McGill Model of nursing in a management
context.
Notes:
Restriction: Open only to students in the Adjunct stream of the MSc(A) in Nursing
program.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 630
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
Development of a proposal for a nursing related clinical project under the
supervision of a Faculty member of the Ingram School of Nursing. Introduction to
research proposal writing, including the framing of research questions,
the selection of methodological approaches, the consideration of ethical
principles in the conduct of research, as well as the development of realistic and
feasible expectations for developing a project within limited time frames.
Notes:
Prerequisites: NUR2 612
Investigating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 631
Credit Weight: 6
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
Implementation of a project with the expected outcomes of collecting data, transcribing it; entering it into a database; writing and interpreting the data and writing it into a report describing the results.
Notes:
Prerequisite: NUR2 630.
Investigating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 632
Credit Weight: 3
Transcript Title: Research Project 3
Calendar Title: Research Project 3.
Description:
Disseminating and reporting, orally and in writing, research findings on a clinical project. The written research report must be in the form of a journal manuscript.
Notes:
Prerequisite: NUR2 631
Investigating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 634
Credit Weight: 3
Transcript Title: Clin. Assess. & Therapeutics 2
Calendar Title: Clinical Assessment and Therapeutics 2.
Description:
Medical, surgical, and nursing management of the major illnesses in adults and children. Topics will include diagnostic tests, drug therapies, dietary management, symptom management, patient education, and strategies for maintaining physical and emotional well-being.
Notes:
Prerequisite(s): NUR2 623
Restriction(s): Not open to students who have taken NUR1 324.
Investigating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 635
Credit Weight: 3
Transcript Title: Pain Measurement in Children
Calendar Title: Pain Measurement in Children.
Description:
Research issues surrounding the measurement of pain throughout childhood. Topics include measurement theory, theoretical and conceptual definitions of pain in
children, scale construction, format and scaling issues, reliability, validity, clinical unity, developmental considerations, self-report formats, observational formats, physiological indicators of pain.

Notes:
Prerequisite: Graduate-level course in inferential statistics and graduate or undergraduate course in child development, or permission of the instructor.
Restriction: Health Sciences or Psychology graduate students or permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 636
Credit Weight: 3
Transcript Title: Global Hlth Nursing Internship
Calendar Title: Global Health Nursing Internship.
Description:
This course offers students in the Global Health concentrations an opportunity to integrate knowledge and clinical competencies acquired thus far in the program in collaboration with an on-site mentor. Students may choose to focus the clinical experience in either community nursing or an acute care setting to further develop and strengthen advanced clinical judgment as well as the ability to respond more purposefully to complex health concerns of individuals, families, and/or communities.
Notes:
Prerequisite(s): NUR2 609 and NUR2 610 OR NUR2 617 and NUR2 618 Minimum Grade or Test Scores : B-
Restriction(s): Only open to students in the MSc(A) Nursing - Global Health Direct Entry concentration and MSc(A) Nursing - Global Health concentration. Not open to students who have taken NUR2 625.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 637
Credit Weight: 3
Transcript Title: Clinical Nursing Specializ'n
Calendar Title: Clinical Nursing Specialization.
Description:
This course provides students with the opportunity to focus on a specialty clinical area of their choice. This specialty could include any age group in acute care, specialty care setting or community/public health setting. This will allow an opportunity to care for a specific population of patients with unique health challenges related to their illness and the resulting impact on their family and support networks and resources, complex, unpredictable, and/or intense health needs; expansion or acquisition of new knowledge and skills and role autonomy extending beyond traditional scopes of nursing practice.
Notes:
Prerequisite(s): NUR2 609, NUR2 610, NUR2 616
Restriction(s): Only open to students in the MSc(A) Nursing - Direct Entry Nursing concentration. Not open to students who have taken NUR2 625.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 638
Credit Weight: 3
Transcript Title: Nursing in Critical Care  
Calendar Title: Nursing in Critical Care  
Description:  
This course will provide students with the opportunity to consolidate acquired clinical skills, nursing theory and previous clinical courses in an acute care setting.  
Notes:  
Prerequisite(s): NUR2 616 (DE students) or NUR2 636 (GHDE students)  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR2 639  
Credit Weight: 8  
Transcript Title: Reasoning in Primary Care Practice 3  
Calendar Title: Reasoning in Primary Care Practice 3.  
Description:  
Examination of the primary care nurse practitioner (PCNP) role in the holistic management of various acute and chronic conditions affecting adult patients and their families, including an approach to independent clinical reasoning and decision-making.  
Notes:  
Prerequisite: NUR2 614  
Restriction: Open to students enrolled in the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Primary Care and/or the Graduate Certificate in Primary Care Nurse Practitioner.  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR2 640  
Credit Weight: 3  
Transcript Title: Clinical Reasoning  
Calendar Title: Clinical Reasoning.  
Description:  
Advanced pathophysiology of diseases across the lifespan, decision-making, and interventions for advanced practice related to illness management in a multiple-problem context, including independent clinical reasoning in the management of health and illness concerns.  
Notes:  
Prerequisites: PHGY 209, PHGY 210; PATH 300; PHAR 300; or permission of instructor.  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active

NUR2 641  
Credit Weight: 6  
Transcript Title: Reasoning in Primary Care Practice 4  
Calendar Title: Reasoning in Primary Care Practice 4.  
Description:  
Further examination of the primary care nurse practitioner (PCNP) role in the holistic management of additional various acute and chronic conditions affecting adult patients and their families, including an approach to independent clinical reasoning and decision-making.  
Notes:
Prerequisites: NUR2 639, NUR2 667
Restriction: Open to students enrolled in the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Primary Care and/or the Graduate Certificate in Primary Care Nurse Practitioner

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 642
Credit Weight: 3
Transcript Title: Ethics in Advanced Practice
Calendar Title: Ethics in Advanced Practice.
Description: Analysis of common as well as complex ethical issues in advanced nursing practice. General ethical standards for professional practice are reviewed as well as selected controversies.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 643
Credit Weight: 3
Transcript Title: Role Development
Calendar Title: Role Development.
Description: Development of advanced practice roles, including professional and legal accountability, interdisciplinary practice, planning change, conflict resolution, referral, and consultation.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 644
Credit Weight: 3
Transcript Title: Pharm for Neonatal Nurse Pract
Calendar Title: Pharmacology for Neonatal Nurse Practitioners.
Description: Health and illness management issues for nurse practitioners in neonatology.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 645
Credit Weight: 3
Transcript Title: Phar for Pediatric Nurse Pract
Calendar Title: Pharmacology for Pediatric Nurse Practitioners.
Description: Advanced concepts in pharmacology which will provide students with knowledge of basic pharmacologic concepts, including pharmacokinetics, pharmacodynamics and pharmacotherapeutics. Drug therapy considerations in pediatric population taking into account chronic disease states and altered hepatic and renal function.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 646
Credit Weight: 3
Transcript Title: Pharm. for Primary Care NPs
Calendar Title: Pharmacology for Primary Care Nurse Practitioners.
Description: Through case presentations, discussions and readings students achieve familiarity with basic concepts of pharmacology including special considerations for various patient populations.
Notes: Restriction: Open only to students enrolled in the M.Sc.(A.) in Nursing; Non-Thesis - Primary Care Nurse Practitioner or the Graduate Certificate in Theory in Primary Care.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 647
Credit Weight: 3
Transcript Title: Pharm for MentHlth Nurse Pract
Calendar Title:
Description: Advanced concepts in pharmacology for mental health nurse practitioners, including pharmacokinetics, pharmacodynamics and pharmacotherapeutics. Students will learn decision-making skills and problem-solving in the domain of clinical pharmacology.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 648
Credit Weight: 6
Transcript Title: Advanced Adult Health Assess.
Calendar Title: Advanced Adult Health Assessment.
Description: Examination and application of advanced physical assessment skills and techniques. Emphasis on history taking and interpreting assessment and diagnostic data, including practice of skills in oral and written communication with patients, families and health care colleagues.
Notes: Prerequisites: NUR2 677, NUR2 678
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 649
Credit Weight: 12
Transcript Title: Neonatology Internship 1
Calendar Title: Neonatology Internship 1.
Description: This internship is designed to provide the student with the experience needed to practice as a neonatal nurse practitioner caring for the complex neonatal patient. It will allow the neonatal nurse practitioner student the opportunity to apply theoretical knowledge to the care of the neonate in multiple settings, with focus on practice in Level III neonatal unit. Emphasis will be on the transfer of theoretical knowledge and the individualization of patient care. Family dynamics will be assessed and are considered integral to the management plan. The student will be expected to demonstrate leadership behaviors in the clinical setting.
Notes:
Restriction(s): Not open to students who have taken NUR2 650D1. Open only to students in the Graduate Diploma in Neonatal Nurse Practitioner. A fee of $21.39 for one name pin will be charged based on registration in this course.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

**NUR2 650**  
**Credit Weight:** 12  
**Transcript Title:** Neonatology Internship 2  
**Calendar Title:** Neonatology Internship 2.  
**Description:** Consolidation and application of advanced nursing and medical knowledge to neonatal practice.

**Notes:**  
Restriction(s): Not open to students who have taken NUR2 650D1. Open only to students in the Graduate Diploma in Neonatal Nurse Practitioner.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

**NUR2 651**  
**Credit Weight:** 8  
**Transcript Title:** Primary Care Internship 1  
**Calendar Title:** Primary Care Internship 1.  
**Description:** Introduction to nurse practitioner clinical practice. The student will begin to implement theoretical advanced nursing and medical knowledge to practice.

**Notes:**  
This course is followed by NUR2 652.  
Restriction(s): Not open to students who have taken NUR2 651D1/D2. Open only to students in the Graduate Diploma Primary Care Nurse Practitioner.  
A fee of $21.39 for one name pin will be charged based on registration in this course.  
**Due to the length of the clinical course, add/drop is the tenth lecture day and withdrawal is the fifteenth lecture day.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

**NUR2 652**  
**Credit Weight:** 14  
**Transcript Title:** Primary Care Internship 2  
**Calendar Title:** Primary Care Internship 2.  
**Description:** Consolidation and application of nurse practitioner knowledge to practice. The student will continue to implement theoretical advanced nursing and medical knowledge to practice.

**Notes:**  
Continuation of NUR2 651.  
Prerequisite(s): NUR2 651.  
Restriction(s): Not open to students who have taken NUR2 651D2. Only open to students in the Graduate Diploma Primary Care Nurse Practitioner.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing
**Status (catalog level):** Active

**NUR 653**

**Credit Weight:** 8  
**Transcript Title:** Pediatric Internship 1  
**Calendar Title:** Pediatric Internship 1.

**Description:**  
First pediatric nurse practitioner practicum. Students will learn to integrate theoretical knowledge and concepts in their clinical practice. In this course, students will be exposed to different pediatric subspecialties providing them the opportunity to develop advanced skills to care for children with health issues.

**Notes:**  
Restriction(s): Only open to students in the Graduate Diploma Pediatric Nurse Practitioner Program.  
A fee of $21.39 for one name pin will be charged based on registration in this course.  
**Due to the length of the clinical course, add/drop is the tenth lecture day and withdrawal is the fifteenth lecture day.**

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  

**Status (catalog level):** Active

**NUR 654**

**Credit Weight:** 14  
**Transcript Title:** Pediatric Internship 2  
**Calendar Title:** Pediatric Internship 2.

**Description:**  
Final pediatric nurse practitioner practicum. Students will learn to integrate theoretical knowledge and concepts in their clinical practice. In this course, students will be exposed to different pediatric subspecialties providing them the opportunity to develop advanced skills to care for children with health issues.

**Notes:**  
Prerequisite(s): NUR 653  
Restriction(s): Only open to students in the Graduate Diploma Pediatric Nurse Practitioner  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  

**Status (catalog level):** Active

**NUR 655**

**Credit Weight:** 12  
**Transcript Title:** Mental Health Internship 1  
**Calendar Title:** Mental Health Internship 1.

**Description:**  
Clinical training in the assessment and management of psychiatric illness, including psychiatric outpatient, inpatient, and emergency care units, to complete required clinical encounters, including assessment, interventions and evaluations. Emphasis is on facilitating the ability to recognize the required psychiatric conditions and pathology associated with these conditions and to develop longitudinal management plans that encompass biopsychosocial understanding of the conditions and address urgent and emergency situations. A strengths-based approach will guide nursing interventions with the patient/family, taking into consideration cultural, societal and environmental aspects.

**Notes:**  
Prerequisites: NUR 647, NUR 693 and NUR 694  
A fee of $21.39 for one name pin will be charged based on registration in this
**Due to the length of the clinical course, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.**

**Administrating Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

**NUR 656**  
**Credit Weight:** 12  
**Transcript Title:** Mental Health Internship 2  
**Calendar Title:** Mental Health Internship 2.  
**Description:**  
Clinical training in the assessment and management of psychiatric illness, including psychiatric outpatient, inpatient, and emergency care units, to complete required clinical encounters, including assessment, interventions and evaluations. Emphasis is on facilitating an ability to recognize the required psychiatric conditions and the pathology associated with these conditions and to develop longitudinal management plans that encompass biopsychosocial understanding of the conditions and address urgent and emergency situations.  
**Notes:**  
Prerequisites: NUR 647, NUR 693 and NUR 694

**NUR 657**  
**Credit Weight:** 13  
**Transcript Title:** Adult Care Internship 1  
**Calendar Title:** Adult Care Internship 1.  
**Description:**  
Integration of theoretical knowledge with practical skills in the clinical setting. Exposure to a variety of in-patient and specialized clinical settings. Practice of history taking and physical assessment; determine differential diagnoses; request diagnostic exams and techniques, propose therapeutic options, implement interventions and determine desired outcomes in the adult population. The emphasis will be on clinical judgement, critical thinking, collaboration, professional roles and responsibilities, communication, evidence-based practice and leadership.  
**Notes:**  
Prerequisites: NUR 648, NUR 688

**NUR 658**  
**Credit Weight:** 11  
**Transcript Title:** Adult Care Internship 2  
**Calendar Title:** Adult Care Internship 2.  
**Description:**  
Further integration of theoretical knowledge with practical skills in the in-patient and specialized clinical settings, the focus will be on applying and consolidating a variety of clinical skills and techniques, including obtaining a comprehensive history, performing an advanced physical assessment, determining differential diagnoses, requesting diagnostic exams and techniques, suggesting therapeutic options, implementing interventions and determining desired outcomes in the adult population. The emphasis will be on role development, clinical judgement, critical thinking, collaboration, professional roles and
responsibilities, communication, evidence based practice, professional autonomy, and leadership.

Notes:
Prerequisite: NUR2 657

Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 659
Credit Weight: 4
Transcript Title: Applied Reasoning: Primary Care
Calendar Title: Applied Reasoning in Primary Care.
Description:
Examination of the primary care nurse practitioner (PCNP) role in the holistic management of acute and chronic conditions related to specific approaches to patients and families across the lifespan, including an approach to independent clinical reasoning and decision-making.
Notes:
Prerequisite: NUR2 639, NUR2 667
Restriction: Only open to students enrolled in the Graduate Diploma in Primary Care Nurse Practitioner.
Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 660
Credit Weight: 3
Transcript Title: Reasoning in Neonatal Prac 1
Calendar Title: Reasoning in Neonatal Practice 1.
Description:
Common neonatal health problems that don't require tertiary care, laws governing Nurse Practitioners in the province of Quebec, especially pertaining to the neonatal subspecialty. Topics include review of normal pregnancy, transitional issues of the newborn, care of the late preterm infant and anticipatory guidance in the discharge of a newborn.
Notes:
Restriction: Open to students enrolled in the M.Sc.(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Certificate in Neonatal Nurse Practitioner or permission of the instructor
Administrating Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 661
Credit Weight: 6
Transcript Title: Reasoning in Neonatal Prac 2
Calendar Title: Reasoning in Neonatal Practice 2.
Description:
Advanced nursing management of illnesses of the newborn. Pathophysiology, decision making, and interventions for advanced nursing practice. Some topics include pregnancy, labour and delivery, as well as fluid management, respiratory problems and surgical emergencies.
Notes:
Restriction: Open only to students enrolled in the M.Sc(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Certificate in Neonatal Nurse Practitioner.
Prerequisites: NUR2 660 or permission of the instructor.
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Ingram School of Nursing  
**Status (catalog level):** Active

**NUR2 662**  
**Credit Weight:** 3  
**Transcript Title:** Neonatal Health Assessment  
**Calendar Title:** Neonatal Health Assessment.  
**Description:** Advanced skills in health assessment, physical examination of healthy newborns and documentation. Different approaches are used to improve proficiency in history taking and physical examinations in a laboratory setting.  
**Notes:**  
Prerequisites: NUR2 660 and NUR2 661; or permission of the instructor.  
Restriction: Open only to students enrolled in the M.Sc.(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Certificate in Neonatal Nurse Practitioner.

**NUR2 663**  
**Credit Weight:** 6  
**Transcript Title:** Reasoning in Neonatal Prac 3  
**Calendar Title:** Reasoning in Neonatal Practice 3.  
**Description:** Advanced nursing management of illnesses of the newborn. Pathophysiology, decision making, and interventions for advanced nursing practice. Some topics include pregnancy, labour and delivery, as well as fluid management, respiratory problems and surgical emergencies.  
**Notes:**  
Prerequisite: NUR2 661 or permission of the instructor.  
Restrictions: Open only to students in the M.Sc.(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Certificate in Neonatal Nurse Practitioner.

**NUR2 664**  
**Credit Weight:** 3  
**Transcript Title:** Evidence in Neonatal Practice  
**Calendar Title:** Evidence in Neonatal Practice.  
**Description:** In depth examination and critique of nursing management of illnesses of the newborn.  
**Notes:**  
Restrictions: Open only to students in the M.Sc.(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Certificate in Neonatal Nurse Practitioner; or permission of the instructor.

**NUR2 665**  
**Credit Weight:** 4  
**Transcript Title:** Newborn Internship
Calendar Title: Newborn Internship.
Description:
This course provides students with the opportunity to apply the didactic knowledge obtained in NUR2 664 to the clinical setting. The clinical stage will focus on the obtaining and interpreting comprehensive assessment and diagnostic data on newborns.
Notes:
Prerequisite: NUR2 664
Restrictions: Open only to students in the Nurse Practitioner stream of the MSc(A) in Nursing; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 666
Credit Weight: 6
Transcript Title: Neonatal Follow-Up Internship
Calendar Title: Neonatal Follow-Up Internship.
Description:
This internship is designed to focus on the advanced assessment skills required to provide primary care to high-risk infants and their families within the context of our current health care system.
Notes:
Restrictions: Open only to students in the Graduate Diploma in Neonatal Nurse Practitioner program.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 667
Credit Weight: 3
Transcript Title: Hlth&Physcl Assess:PrimryCare1
Calendar Title: Health and Physical Assessment in Primary Care 1.
Description:
Examination of the practical application of the primary care nurse practitioner (PCNP) role in the holistic management of various acute and chronic conditions affecting adult patients and their families, integrating theoretical knowledge and practice of advanced physical assessment and procedure skills to clinical cases.
Notes:
Prerequisite: NUR2 614
Restriction: Open to students enrolled in the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Primary Care and/or the Graduate Certificate in Primary Care Nurse Practitioner.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 668
Credit Weight: 3
Transcript Title: Hlth&Physcl Assess:PrimryCare2
Calendar Title: Health and Physical Assessment in Primary Care 2.
Description:
Further examination of the practical application of the primary care nurse practitioner (PCNP) role in the holistic management of additional various acute and chronic conditions affecting patients and families across the lifespan, integrating theoretical knowledge and practice of advanced physical assessment and
procedure skills to clinical cases.

Notes:
Prerequisites: NUR2 639, NUR2 667
Restriction: Open to students enrolled in the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Primary Care and/or the Graduate Certificate in Primary Care Nurse Practitioner.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 669
Credit Weight: 12
Transcript Title: Intern in Primary Care Prac 1
Calendar Title: Internship in Primary Care Practice 1.
Description: Consolidation of the entry-to-practice nurse practitioner role in primary care through the application of theoretical knowledge, practical skills and clinical reasoning within a clinical setting.
Notes:
Prerequisites: NUR2 641, NUR2 659, NUR2 668
Corequisite: NUR2 697
Restriction: Only open to students enrolled in the Graduate Diploma in Primary Care Nurse Practitioner.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 670
Credit Weight: 3
Transcript Title: Reasoning in Primary Care 1
Calendar Title: Reasoning in Primary Care 1.
Description: In this course students will learn decision making/problem solving in the acute presentation of illness as well as the follow up of chronic stable disease of the male and female reproductive system, their role in prenatal care and family planning.
Notes:
Restriction: Open only to students enrolled in the M.Sc.(A.) in Nursing (primary care nurse practitioner specialization) or the Graduate Certificate in Theory in Primary Care

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 671
Credit Weight: 3
Transcript Title: Reasoning in Primary Care 2
Calendar Title: Reasoning in Primary Care 2.
Description: Decision making/problem solving in the acute presentation of illness as well as the follow-up of chronic stable disease in paediatric populations.
Notes:
Prerequisite: NUR2 670
Restriction: Open only to students enrolled in the M.Sc.(A.) in Nursing (primary care nurse practitioner specialization) or the Graduate Certificate Theory in Primary Care.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 672
Credit Weight: 4
Transcript Title: Reasoning in Primary Care 3
Calendar Title: Reasoning in Primary Care 3.
Description:
Decision making/problem solving in the follow-up of both chronic stable medical conditions in the following body systems: neurological, muscular, rheumatologic, and peripheral vascular. Familiarity is achieved and competence in recognizing conditions in these same bodily systems that present acutely in undifferentiated patients.
Notes:
Prerequisites: NUR2 670 and NUR2 671
Restriction: Open only to students enrolled in the M.Sc.(A.) in Nursing (primary care nurse practitioner specialization) or the Graduate Certificate in Theory in Primary Care.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 673
Credit Weight: 4
Transcript Title: Reasoning in Primary Care 4
Calendar Title: Reasoning in Primary Care 4.
Description:
Decision making/problem solving in the follow up of both chronic stable medical conditions in the following body systems: cardiac, respiratory, and gastrointestinal. Familiarity and competence is achieved in recognizing conditions in these same bodily systems that present acutely in undifferentiated patients and knowing their appropriate disposition.
Notes:
Prerequisite: NUR2 672
Restriction: Open only to students enrolled in the M.Sc.(A.) in Nursing (primary care nurse practitioner specialization) or the Graduate Certificate Theory in Primary Care
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 674
Credit Weight: 4
Transcript Title: Reasoning in Primary Care 5
Calendar Title: Reasoning in Primary Care 5.
Description:
Decision making/problem solving in the acute presentation of illness as well as the follow up of chronic stable disease in the renal and endocrine systems. Students also will learn about mental illness and the promotion of health behaviours.
Notes:
Prerequisite: NUR2 673
Restriction: Open only to students enrolled in the M.Sc.(A.) in Nursing (primary care nurse practitioner specialization) or the Graduate Certificate Theory in Primary Care.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 675
Credit Weight: 4
Transcript Title: Reasoning in Primary Care 6
Calendar Title: Reasoning in Primary Care 6.
Description:
Decision making/problem solving in the acute presentation of illness as well as the follow up of chronic stable disease in the musculoskeletal and dermatological systems. Students also learn about illness affecting the eyes, ears, nose, and throat and geriatric issues to complement previous teaching on the subject.

Notes:
Restriction: Open only to students enrolled in the Graduate Diploma Primary Care Nurse Practitioner program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 676
Credit Weight: 4
Transcript Title: Primary Care Assessment
Calendar Title: Primary Care Assessment.
Description:
Decision making/problem solving skills acquired in previous courses. This course is designed as a health and physical assessment course relevant to the Primary Care Nurse Practitioner. Hands on practice in a laboratory setting before students begin their final integration practicum in various clinical areas with patients.

Notes:
Restriction: Open only to students enrolled in the Graduate Diploma Primary Care Nurse Practitioner program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 677
Credit Weight: 3
Transcript Title: Reasoning in Adult Care 1
Calendar Title: Reasoning in Adult Care 1.
Description:
Examination of the legal aspects of advanced nursing practice, evidence-based nursing practice and basic concepts in medical and medication management. The focus will be on common illnesses and diseases of the adult through the development of case studies using a case/inquiry-based approach to learning. Principles of medication actions and interactions, the role of the liver and kidneys will be explored, as well as medication management as applied to case studies.
Notes:
Corequisite: NUR 678
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 678
Credit Weight: 4
Transcript Title: Reasoning in Adult Care 2
Calendar Title: Reasoning in Adult Care 2.
Description:
Notes:
Corequisite: NUR 677
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 679
Credit Weight: 12
Transcript Title: Intern in Primary Care Prac 2
Calendar Title: Internship in Primary Care Practice 2.
Description:
Continued consolidation of the entry-to-practice nurse practitioner role in primary care through the application of theoretical knowledge, practical skills and clinical reasoning in more complex care within a clinical setting.
Notes:
Prerequisites: NUR 669, NUR 697
Corequisite: NUR 698
Restriction: Only open to students enrolled in the Graduate Diploma in Primary Care Nurse Practitioner.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 680
Credit Weight: 3
Transcript Title: Reasoning in Pediatrics 1
Calendar Title: Reasoning in Pediatrics 1.
Description:
This course is comprised of theoretical seminars on advanced nursing concepts in preventive pediatric health care of children and adolescents. Students will learn advanced concepts in pediatric pathophysiology, decision making/problem solving and interventions for the follow-up of children from 0-18 years of age, the recommended screening and health promotion of the pediatric population as well as the follow-up of adolescent sexuality and reproductive issues, their role in prenatal care and family planning.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR 681
Credit Weight: 3
Transcript Title: Reasoning in Pediatrics 2  
Calendar Title: Reasoning in Pediatrics 2.  
Description:  
Advanced nursing management of illnesses of the fetus and newborns. Students will learn advanced concepts in foeto-maternal medicine and neonatology. Pathophysiology, decision making/problem solving and interventions in perinatal care and neonatal medicine.  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active  

NUR2 682  
Credit Weight: 4  
Transcript Title: Reasoning in Pediatrics 3  
Calendar Title: Reasoning in Pediatrics 3.  
Description:  
Advanced nursing concepts in pediatric neurology, ophthalmology, otorhinolaryngology and dermatology. Students will learn the pathophysiology, investigation and management of pediatric neurologic, ophthalmologic, otorhinolaryngologic and dermatologic disorders.  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active  

NUR2 683  
Credit Weight: 4  
Transcript Title: Reasoning in Pediatrics 4  
Calendar Title: Reasoning in Pediatrics 4.  
Description:  
Advanced nursing concepts in pediatric cardiovascular medicine, pneumology, and metabolism. Students will learn the pathophysiology, investigation and management of pediatric cardiovascular, respiratory and metabolic disorders.  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active  

NUR2 684  
Credit Weight: 4  
Transcript Title: Reasoning in Pediatrics 5  
Calendar Title: Reasoning in Pediatrics 5.  
Description:  
Advanced nursing concepts in pediatric mental health & psychiatry, nephrology & urology, hemato-oncology and gastroenterology. Students will learn the pathophysiology, investigation and management of pediatric mental health & psychiatric, nephrologic & urologic, hemato-oncologic and gastroenterologic disorders.  
Administering Faculty: Graduate Studies  
Teaching Department: Ingram School of Nursing  
Status (catalog level): Active  

NUR2 685  
Credit Weight: 4  
Transcript Title: Reasoning in Pediatrics 6  
Calendar Title: Reasoning in Pediatrics 6.  
Description:  
Advanced nursing concepts in pediatric rheumatology, orthopedics, musculoskeletal
and emergency & critical care medicine. Students will learn the pathophysiology, investigation and management of pediatric rheumatologic, orthopedic, musculoskeletal disorders and emergency & critical care medicine.

Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 686
Credit Weight: 4
Transcript Title: Pediatric Assessment
Calendar Title: Pediatric Assessment.
Description:
Advanced nursing assessment of the pediatric patient. Students will learn advanced pediatric skills in the evaluation of children 0 to 18 years of age. Students will learn how to inquire about children and family history, and examine newborns and children in a systematic approach.

Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 687
Credit Weight: 6
Transcript Title: Reasoning in Adult Care 3
Calendar Title: Reasoning in Adult Care 3.
Description:
Examination of illnesses and diseases of the adult through the development of case studies using a case/inquiry-based approach to learning. Generation of a nursing/medical plan of action in response to commonly presenting health/illness issues, based on best available evidence.

Notes:
Prerequisites: NUR2 677, NUR2 678
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 688
Credit Weight: 6
Transcript Title: Reasoning in Adult Care 4
Calendar Title: Reasoning in Adult Care 4.
Description:
Examination of illnesses and diseases of the adult through the development of case studies using a case/inquiry-based approach to learning. Generation of a nursing/medical plan of action in response to commonly presenting health/illness issues, based on best available evidence.

Notes:
Prerequisite: NUR2 687
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR2 689
Credit Weight: 2
Transcript Title: Clinical Seminar
Calendar Title: Clinical Seminar.
Description: Application of theoretical knowledge to clinical practice by exploring illnesses and diseases of the adult through the presentation of cases and scientific articles. Presentation of a scientific article pertaining to a related subject of interest, a new or controversial therapy or a clinical question.
Notes: Prerequisite: NUR2 657
Corequisite: NUR2 658
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 689D1
Credit Weight: 1
Transcript Title: Clinical Seminar
Calendar Title: Clinical Seminar.
Description: Application of theoretical knowledge to clinical practice by exploring illnesses and diseases of the adult through the presentation of cases and scientific articles. Presentation of a scientific article pertaining to a related subject of interest, a new or controversial therapy or a clinical question.
Notes: Prerequisite: NUR2 657
Corequisite: NUR2 658
No credit will be given for this course unless both NUR2 689D1 and NUR2 689D2 are successfully completed in consecutive terms
NUR2 689D1 and NUR2 689D2 together are equivalent to NUR2 689.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 689D2
Credit Weight: 1
Transcript Title: Clinical Seminar
Calendar Title: Clinical Seminar.
Description: See NUR2 689D1 for course description.
Notes: Prerequisite: NUR1 689D1
No credit will be given for this course unless both NUR2 689D1 and NUR2 689D2 are successfully completed in consecutive terms
NUR2 689D1 and NUR2 689D2 together are equivalent to NUR2 689.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 690
Credit Weight: 3
Transcript Title: Reasoning in Mental Health 1
Calendar Title: Reasoning in Mental Health 1.
Description:
Introduction to fundamental concepts in psychopathology, as well as psychiatric assessment, diagnosis and intervention. Emphasis placed on advanced practice nursing competencies integrated in mental health care of patients. Objectives also include relevant legal aspects when presented with a patient at risk for violent or dangerous behaviour.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 691
Credit Weight: 6
Transcript Title: Reasoning in Mental Health 2
Calendar Title: Reasoning in Mental Health 2.
Description: Advanced nursing knowledge and skills, within the scope of practice of a mental-health nurse practitioner, in the assessment and management of depressive, anxiety, obsessive-compulsive and bipolar disorders. Recognition of the pathology associated with these conditions and development of longitudinal management plans that encompass biopsychosocial understanding of the conditions and address urgent and emergency situations are explored.

Notes: Prerequisite: NUR2 690
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 692
Credit Weight: 6
Transcript Title: Reasoning in Mental Health 3
Calendar Title: Reasoning in Mental Health 3.
Description: Advanced nursing knowledge and skills, within the scope of practice of a mental-health nurse practitioner, in the assessment and management of psychotic disorders, trauma- and stressor-related disorders, feeding and eating disorders, obesity and metabolic syndrome, and personality disorders. Recognition of the pathology associated with these conditions and development of longitudinal management plans that encompass biopsychosocial understanding of the conditions and address urgent and emergency situations will be explored.

Notes: Prerequisite: NUR2 690
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 693
Credit Weight: 6
Transcript Title: Reasoning in Mental Health 4
Calendar Title: Reasoning in Mental Health 4.
Description: Advanced nursing knowledge and skills, within the scope of practice of a mental-health nurse practitioner, in the assessment and management of: 1) substance disorders, sleep-wake disorders, gender dysphoria and sexual disorders; and 2) child and adolescent psychiatric illness, and psychiatric illness in the geriatric population, where legal aspects to invoke protective measures and decision-making capacity. Recognition of the pathology associated with these conditions or illnesses, and development of longitudinal management plans that
encompass biopsychosocial understanding of the conditions and address urgent and emergency situations.

Notes:
Prerequisites: NUR2 691 and NUR2 692

Administering Faculty: Graduate Studies

Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR2 694
Credit Weight: 3

Transcript Title: Reasoning in Mental Health 5

Calendar Title: Reasoning in Mental Health 5.

Description:
Advanced nursing knowledge and skills, within the scope of practice of a mental-health nurse practitioner, in the assessment and management of medical illness and somatic symptoms in psychiatry and to introduce basic psychotherapy concepts. Recognition of the pathology associated with these conditions and development of longitudinal management plans that encompass biopsychosocial understanding of the conditions and address urgent and emergency situations.

Notes:
Prerequisites: NUR2 691 and NUR2 692

Administering Faculty: Graduate Studies

Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR2 697
Credit Weight: 1

Transcript Title: Clinical Seminar: Primary Care 1

Calendar Title: Clinical Seminar in Primary Care 1.

Description:
Application of theoretical knowledge to clinical practice through examination of complex cases seen in clinical practice and exploration of clinical questions through the presentation of case studies, scientific research evidence and best practices.

Notes:
Pre-requisites: NUR2 641, NUR2 659, NUR2 668
Co-requisite: NUR2 669
Restriction: Only open to students enrolled in the Graduate Diploma in Primary Care Nurse Practitioner.

Administering Faculty: Graduate Studies

Teaching Department: Ingram School of Nursing

Status (catalog level): Active

NUR2 698
Credit Weight: 1

Transcript Title: Clinical Seminar: Primary Care 2

Calendar Title: Clinical Seminar in Primary Care 2.

Description:
Further application of theoretical knowledge to clinical practice through examination of complex cases seen in clinical practice and exploration of clinical questions through the presentation of case studies, scientific research evidence and best practices.

Notes:
Prerequisite: NUR2 697
Corequisite: NUR2 679
Restriction: Only open to students enrolled in the Graduate Diploma in Primary Care Nurse Practitioner.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 701
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description:
An examination that must be passed by all doctoral students in order to achieve candidacy status and continue in the doctoral program.

NUR2 702
Credit Weight: 3
Transcript Title: Quantitative Research
Calendar Title: Quantitative Research.
Description:
Examination of various experimental, quasi-experimental, correlational, and survey designs with particular focus on the use of these designs in nursing research.

NUR2 703
Credit Weight: 3
Transcript Title: Issues of Measurement
Calendar Title: Issues of Measurement.
Description:
An examination of the underlying theories of measurement and techniques for assessing the validity and reliability of data collection instruments. Issues related to the development and/or utilization of instruments to measure target variables in nursing and health research are addressed.

NUR2 705
Credit Weight: 3
Transcript Title: Palliative Care
Calendar Title: Palliative Care.
Description:
The concept of whole person care and its importance in caring for people with a life-threatening illness will be explored. Various aspects of the person, different contexts, and different types of research will be integrated and reflected upon to determine changes required in practice, policy, and research.

Notes:
Note: Required for the Psychosocial Oncology Option for PhD students in the School of Nursing and Dept. of Psychology. Other PhD and Master's students are welcome to join.

Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR2 706
Credit Weight: 3
Transcript Title: Qualitative Nursing Research
Calendar Title: Qualitative Nursing Research.
Description: Advanced examination of the utilization of qualitative research in nursing.
Notes: Restriction: Enrolled in Ph.D. in Nursing or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 720
Credit Weight: 3
Transcript Title: Nursing Workforce Determinants
Calendar Title: Nursing Workforce Determinants.
Description: Factors affecting the planning and management of the nursing workforce in the context of forecasting models, demographic changes, public organizational response, models of organizational behaviour and determinants of nursing sensitive outcomes, and productivity.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 730
Credit Weight: 3
Transcript Title: Theory Development in Nursing
Calendar Title: Theory Development in Nursing.
Description: Examination of the epistemological foundations of nursing knowledge, with a critical review of the dominant tradition in nursing knowledge (i.e., scientific theory) as well as alternate paradigms for the development of nursing knowledge.
Symbols: ALTY - Taught in alternate years
Notes: Prerequisite: NUR2 620 or equivalent
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR2 780
Credit Weight: 3
Transcript Title: Advanced Nursing
Calendar Title: Advanced Nursing.
Description: An in-depth analysis of selected issues and developments within nursing and health care. Included will be topics relevant to the areas of research and clinical expertise of the student and faculty.
Symbols: ALTY - Taught in alternate years
Notes: 3 hours seminar weekly
Prerequisite: NUR2 624, NUR2 625 or equivalent and permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUR2 783

Credit Weight: 3

Transcript Title: Psychosocial Oncology Research

Calendar Title: Psychosocial Oncology Research.

Description:
This seminar focuses on evidence-based research developments in psychosocial oncology. Students will explore state-of-the-art theory, research methods, findings, and intervention programs from a variety of disciplines including nursing, psychology, medicine, health services management and social work that have contributed to the emergent field of psychosocial oncology.

Symbols:  ALTY - Taught in alternate years

Administering Faculty: Graduate Studies

Teaching Department: Ingram School of Nursing

Status (catalog level): Active
NUR3 624
Credit Weight: 3
Transcript Title: Nursing Serv. Admin Internship
Calendar Title: Nursing Services Administration Internship.
Description:
Nursing services administration internship with a host organization that focuses on the nurse manager role in the health care sector. Nursing management under the preceptorship of selected nurse managers, integrating the strengths-based nursing and healthcare leadership in a management context.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR3 628
Credit Weight: 3
Transcript Title: Adv Prac Nursing Internship
Calendar Title: Advanced Practice Nursing Internship.
Description:
Advanced practice internship with a host organization that focuses on the application of the nursing role in clinical environments. This is a consolidation internship where learners identify their learning needs guided by the competencies of the Advanced Practice nurse.
Notes:
Prerequisites: NUR2 605 or NUR2 606 or NUR2 640 or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR3 665
Credit Weight: 3
Transcript Title: Common Procedures: Neonatal Prac
Calendar Title: Common Procedures in Neonatal Practice.
Description:
Introduction to common diagnostic tests and procedures performed in neonatology. Topics include laboratory result interpretation, x-ray reading, EKG interpretation, and neonatal resuscitation course.
Notes:
Restrictions: Open only to students in the M.Sc.(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Diploma in Neonatal Nurse Practitioner or with permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

NUR3 667
Credit Weight: 2
Transcript Title: Clinical Seminar: Neonatal Prac
Calendar Title: Clinical Seminar in Neonatal Practice.
Description:
Application of theoretical knowledge to clinical practice by exploring illnesses and diseases of the neonate through the presentation of cases and onsite learning activities.
Notes:
Restrictions: Open only to students in the M.Sc.(Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Diploma in Neonatal Nurse Practitioner or with permission of the instructor.
Prerequisite: NUR3 668
Administering Faculty: Graduate Studies
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

**NUR3 668**
**Credit Weight:** 12
**Transcript Title:** Internship in Neonatal Prac 1
**Calendar Title:** Internship in Neonatal Practice 1.
**Description:**
Internship in caring for healthy newborns as well as complex neonatal patients in a hospital setting, and follow-up of at risk infants following hospitalization in the Neonatal Intensive care unit in the Neonatal follow-up clinic. Exposure to normal, healthy babies, or healthy babies with problems not requiring intermediate or intensive care, intermediate care patients initially before progressing to cases that are more complex. Application of theoretical knowledge to the care of the neonate in multiple settings, with focus on practice in Level III neonatal unit. Emphasis will be on the transfer of theoretical knowledge and the individualization of patient care. Family dynamics are assessed and considered integral to the management plan.

**Notes:**
Prerequisites: NUR2 663, NUR3 665
Restriction: Open to students enrolled in the M.Sc. (Applied) in Nurse Practitioner; Non-Thesis - Neonatal or Graduate Certificate in Neonatal Nurse Practitioner or with permission of the instructor.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Ingram School of Nursing
**Status (catalog level):** Active

**NUR3 669**
**Credit Weight:** 13
**Transcript Title:** Internship in Neonatal Prac 2
**Calendar Title:** Internship in Neonatal Practice 2.
**Description:**
Consolidation and application of advanced nursing and medical knowledge to neonatal practice.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Ingram School of Nursing
**Status (catalog level):** Active
NUTR 207
Credit Weight: 3
Transcript Title: Nutrition and Health
Calendar Title: Nutrition and Health.
Description:
Provides students who have a basic biology/chemistry background with the fundamental information on how macronutrients, vitamins and minerals are metabolized in the body, followed by application to evaluate current issues of maximizing health and disease prevention at different stages of the lifecycle.
Notes:
Fall
3 lectures
Corequisites: FDSC 230 [for students that have not taken the CEGEP equivalent OOXV].
Prerequisites: AEBI 122 or BIOL 112 or CEGEP equivalent OOXU
Restriction: Not open to students who take NUTR 200 or EDKP 292
Restriction: Science students in physical science and psychology programs who wish to take this course should see the Arts and Science Student Affairs Office for permission to register.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 208
Credit Weight: 2
Transcript Title: Professional Practice Stage 1A
Calendar Title: Professional Practice Stage 1A.
Description:
Introduction to the dietetics profession including ethics; provincial regulation; competencies and domains of practice; and dietetic practice in the hospital environment. Introductory activities related to food, food industry, agriculture, public health nutrition and clinical nutrition.
Symbols: DIET - Dietetics Stage prerequisites required
Notes:
Fall
Prerequisite(s): All U0 (freshman) science/math entrance requirements or permission of instructor.
Corequisite(s): All Required courses in Term 1 of the Dietetics Major, IPEA 500
Restriction(s): Open only to students in the B.Sc. (Nutr.Sc.); Major in Dietetics.
Administrating Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 209
Credit Weight: 2
Transcript Title: Professional Practice Stage 1B
Calendar Title: Professional Practice Stage 1B.
Description:
A competency-based stage in preparation for field placements. Competencies that are addressed include cultural and Indigenous, marketing, health claims, recipe demonstration, food literacy and translation of the science of food and nutrition to consumers.
Symbols: DIET - Dietetics Stage prerequisites required
Notes:
Prerequisite(s): All U0 math and science entrance requirements. All U1 required courses of the Dietetics major (ANSC 234, LSCI 211, LSCI 230, NUTR 207, NUTR 208,
NUTR 214, NUTR 217, NUTR 322, NUTR 343 and NUTR 341). This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

**NUTR 214**  
**Credit Weight:** 4  
**Transcript Title:** Food Fundamentals  
**Calendar Title:** Food Fundamentals.  
**Description:**  
Food composition and structure. Scientific principles underlying physical, chemical, and nutrient content changes during food preparation. The role of ingredients and nutrients, and their interaction in food preparation. Culture of food including historical context and sustainability. Sensory evaluation and food safety.  
**Notes:**  
Fall  
One 3-hour lecture and one 4-hour lab  
Prerequisite: FDSC 230 or corequisite with instructor's permission.  
Corequisite(s): LSCI 211 and NUTR 207  
Not to be charged in Fall 2020. This course includes a fee of $350 for a culinary tool kit, chef coat, hairnet, food ingredients, supplies and laboratory manual. The fee is refundable as long as the kit and supplies have not been opened, used or scratched and the manual is intact. Students who drop this course during the course add/drop period may return the kit (if already received) to their department, who will then advise the Student Accounts Office to reverse the charges for the fee once they have inspected the materials and found them to be in acceptable condition.  
Restriction(s): Enrolment restricted to Dietetics, Nutrition and Concurrent degrees or permission of instructor.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

**NUTR 217**  
**Credit Weight:** 4  
**Transcript Title:** Application: Food Fundamentals  
**Calendar Title:** Application: Food Fundamentals.  
**Description:**  
Nutrition, chemical and physical properties of food and complex food mixtures. Role of culture, food policy and environmental sustainability on food choices, procurement and preparation. Knowledge of ingredients, preservation, storage, packaging of food. Culturally diverse foods and food habits. Controlling chemical changes during preparation of food to obtain palatable, nutritious and safe food.  
**Notes:**  
Winter  
One 3-hour lecture and one 4-hour lab  
Prerequisite: NUTR 214 and NUTR 207  
Restriction(s): Enrolment restricted to Dietetics major or permission of instructor.  
**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

**NUTR 301**
Credit Weight: 3
Transcript Title: Psychology
Calendar Title: Psychology.
Description:
A study of the general characteristics of physical, social, emotional and intellectual development, the psychology of learning, and the growth and development of personality.
Notes:
Winter
2 lectures and 1 conference
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 307
Credit Weight: 3
Transcript Title: Metabolism and Human Nutrition
Calendar Title: Metabolism and Human Nutrition.
Description:
This course looks at the importance of nutrition from the molecular to the organismal levels in human health and disease. The focus will be on the significance of nutrients in regulating metabolism, and impact of genotype in the metabolism of nutrients.
Notes:
Prerequisite(s): ANSC 234
Corequisite(s): ANSC 323 or NUTR 207
Fall
3 lecture hours and 1 tutorial/conference hour.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 310
Credit Weight: 2
Transcript Title: Professional Practice Stage 2A
Calendar Title: Professional Practice Stage 2A.
Description:
The nutrition care process, clinical reasoning and documentation for the medical record. Preparation for the application of knowledge in practice, for clinical nutrition and food service administration rotations, will be addressed.
Symbols: DIET - Dietetics Stage prerequisites required
Notes:
Winter
One 3-hour lecture/week
Prerequisite(s): NUTR 209.
Prerequisite(s): Fall term U2 required Dietetics Major courses
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 311
Credit Weight: 5
Transcript Title: Professional Practice Stage 2B
Calendar Title: Professional Practice Stage 2B.
Description:
Two interrelated modules of directed experience in normal and clinical nutrition.
and food service management, in health care settings and the private sector.

Symbols: DIET - Dietetics Stage prerequisites required

Notes:
Prerequisite(s): All U2 required courses: AEMA 310, NUTR 343, ANSC 323, ANSC 424, NUTR 307, NUTR 310, NUTR 337 (NUTR 342 or NUTR 446), NUTR 344, NUTR 345, NUTR 346.
This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience. The course NUTR 311 includes a $125 fee for the Level II manual. The fee is refundable until the end of the add/drop period as long as the manual is intact.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 322
Credit Weight: 3
Transcript Title: Applied Sciences Communication
Calendar Title: Applied Sciences Communication.
Description:
The principles and techniques of communicating applied sciences to individuals and groups in both the professional and public milieu. Effective public speaking and group interaction techniques. Communication materials selection, development, use, and evaluation. Writing for the media. Balancing risk and reason in communicating scientific findings.
Notes:
Winter
2 lectures, 1 lab
Prerequisite: Completion of 15 credits in a B.Sc. program

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 337
Credit Weight: 3
Transcript Title: Nutrition Through Life
Calendar Title: Nutrition Through Life.
Description:
Nutrient utilization, requirements and recommended allowances as related to physiological development throughout the life cycle. Physiological, psychological and environmental determinants of eating behaviour.
Notes:
Winter
3 lectures, 1 conference
Prerequisites: ANSC 234 or BIOC 311, and NUTR 307

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 341
Credit Weight: 3
Transcript Title: Global Food Security
Calendar Title: Global Food Security.
Description:
Food insecurity is one of the most critical issues humanity has faced in history. The magnitude of this phenomenon, reflected in its worldwide presence and in the number of individuals affected, makes it an imperative component of all nations' and of all international agencies' agendas. Its complexity of determinants and
its numerous consequences require the involvement of multiple disciplines and sectors. McGill undergraduate students as future professionals tackling global issues require an integrated and multidisciplinary training on food security.

Notes:
Corequisite(s): NUTR 207 or permission of Instructor
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 342
Credit Weight: 3
Transcript Title: Applied Human Resources
Calendar Title: Applied Human Resources.
Description:
This course provides a solid foundation of HR essentials and a philosophy from which to navigate in the workplace, familiarity with federal and provincial legislation and knowledge of current challenges and issues; a discussion on the employee life cycle from recruitment and selection to termination and everything that happens in between; a paradigm for leadership and creating a culture of engagement and effectiveness.
Notes:
Restrictions: Not open to students who have taken NUTR 446.
1. Fall
2. 3 lectures
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 343
Credit Weight: 3
Transcript Title: Financial Mgmt and Accounting
Calendar Title: Financial Management and Accounting.
Description:
Principles and concepts of financial management, accounting and cost control, analysis, utilization and communication of financial information. Cost value profit analysis, budgets and decision-making with applications in the food and nutrition sector.
Notes:
Fall
3 lectures
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 344
Credit Weight: 4
Transcript Title: Clinical Nutrition 1
Calendar Title: Clinical Nutrition 1.
Description:
Clinical nutrition assessment and dietary modification of pathological conditions including hypertension, lipid disorders and cardiovascular disease, obesity, cancer, COPD, introduction to diabetes, dysphagia.
Notes:
Winter
Two 2.5-hour lectures
Prerequisites: ANSC 234 or BIOC 311, and ANSC 323, and NUTR 307.
Corequisites: NUTR 337 and ANSC 424.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 345
Credit Weight: 3
Transcript Title: Food Service Systems Mgmt
Calendar Title: Food Service Systems Management.
Description: Competency-based professional course for management of food service systems in healthcare organizations, food service industry, and groups. Principles of management theory and development of business plan in nutrition-related activities. Emphasis on strategic planning; food policies; menu development; recipe standardization, nutrient analysis, costing; food purchasing; quality control; marketing; staffing; management styles; and ethical and professional behaviour. Students receive Canadian Food Safety Certification (Advanced.fst) upon completion of this course.
Notes:
Fall
Prerequisite: NUTR 209.
Restriction: Restricted to Bachelor of Science (Nutritional Sciences) (B.Sc.(Nutr.Sc.)) - Major Dietetics

NUTR 346
Credit Weight: 3
Transcript Title: Applied Food Service Mgmt
Calendar Title: Applied Food Service Management.
Description: Competency-based professional course focusing on human resources management, marketing, budgeting, HACCP principles, allergen management, recipe standardization, local and federal sanitation laws, and quality assurance in food settings and case studies. Students receive Allergen and WHMIS certification upon completion of this course.
Notes:
Winter
Prerequisite: NUTR 345
NUTR 346 includes a fee of $378.72 for the Hazard Analysis Critical Control Points (HACCP) online course, the Canadian Food Safety Certification Advanced.fst book and examination and for a laboratory manual and supplies.

NUTR 401
Credit Weight: 1
Transcript Title: Emerging Issues in Nutrition
Calendar Title: Emerging Issues in Nutrition.
Description: Investigation, discussion and presentations of emerging issues in nutrition.
Notes:
Prerequisite(s): NUTR 344
Corequisite(s): NUTR 450

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition  
Status (catalog level): Active  

NUTR 404  
Credit Weight: 3  
Transcript Title: Nutr. Field St. in East Africa  
Calendar Title: Nutrition Field Studies in East Africa.  
Description:  
Community-based case-study experience in East Africa, focussed on documentation and inquiry skills, and systematic analysis of the: 1) patterns and nature of major nutritional and food security problems; 2) sociocultural, economic and environmental determinants on food availability, quality, choice, behaviour and consumption in relation to health and disease, particularly in high risk populations; 3) institutional and policy mediators of community and national-level interventions and program responses.  
Notes:  
Restrictions: Open only to students in the CFSIA program.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Human Nutrition  
Status (catalog level): Active  

NUTR 408  
Credit Weight: 1  
Transcript Title: Professional Practice Stage 3A  
Calendar Title: Professional Practice Stage 3A.  
Description:  
Competency-based educational topics linking theory to practice for field placements in the clinical setting. Topics include ethics, leadership and interprofessional teamwork.  
Symbols: DIET - Dietetics Stage prerequisites required  
Notes:  
Prerequisite: NUTR 311  
Corequisites: NUTR 409, IPEA 501, IPEA 502, IPEA 503  
Two 2 hr lectures/week  
This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience.  
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Human Nutrition  
Status (catalog level): Active  

NUTR 409  
Credit Weight: 9  
Transcript Title: Professional Practice Stage 3B  
Calendar Title: Professional Practice Stage 3B.  
Description:  
Four interrelated modules of directed experience in clinical nutrition, food service management, normal nutrition education and community nutrition, in health care settings and the private sector.  
Symbols: DIET - Dietetics Stage prerequisites required  
Notes:  
Winter: 11 weeks  
Prerequisites: NUTR 311, NUTR 342 or NUTR 446 , NUTR 450, NUTR 505, NUTR 545 and NUTR 546.  
This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience.  
The course NUTR 409 includes a $128.75 fee for the Level III manual. The fee is
refundable until the end of the add/drop period as long as the manual is intact.

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

NUTR 430  
**Credit Weight:** 3  
**Transcript Title:** Directed Studies: Diet & Nutr 1  
**Calendar Title:** Directed Studies: Dietetics and Nutrition 1.  
**Description:**  
An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.  
**Notes:**  
Fall and Winter  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fifth lecture day.**

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

NUTR 431  
**Credit Weight:** 3  
**Transcript Title:** Directed Studies: Diet & Nutr 2  
**Calendar Title:** Directed Studies: Dietetics and Nutrition 2.  
**Description:**  
An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.  
**Notes:**  
Fall or Winter

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

NUTR 431D1  
**Credit Weight:** 1.5  
**Transcript Title:** Directed Studies: Diet & Nutr 2  
**Calendar Title:** Directed Studies: Dietetics and Nutrition 2.  
**Description:**  
An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.  
**Notes:**  
Students must register for both NUTR 431D1 and NUTR 431D2.  
No credit will be given for this course unless both NUTR 431D1 and NUTR 431D2 are successfully completed in consecutive terms  
NUTR 431D1 and NUTR 431D2 together are equivalent to NUTR 431

**Administering Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Human Nutrition  
**Status (catalog level):** Active

NUTR 431D2
Credit Weight: 1.5
Transcript Title: Directed Studies: Diet & Nutr 2
Calendar Title: Directed Studies: Dietetics and Nutrition 2.
Description:
See NUTR 431D1 for course description.
Notes:
Prerequisite: NUTR 431D1
No credit will be given for this course unless both NUTR 431D1 and NUTR 431D2 are successfully completed in consecutive terms
NUTR 431D1 and NUTR 431D2 together are equivalent to NUTR 431
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 431N1
Credit Weight: 1.5
Transcript Title: Directed Studies: Diet & Nutr 2
Calendar Title: Directed Studies: Dietetics and Nutrition 2.
Description:
An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.
Notes:
Students must also register for NUTR 431N2
No credit will be given for this course unless both NUTR 431N1 and NUTR 431N2 are successfully completed in a twelve month period
NUTR 431N1 and NUTR 431N2 together are equivalent to NUTR 431
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 431N2
Credit Weight: 1.5
Transcript Title: Directed Studies: Diet & Nutr 2
Calendar Title: Directed Studies: Dietetics and Nutrition 2.
Description:
See NUTR 431N1 for course description.
Notes:
Prerequisite: NUTR 431N1
No credit will be given for this course unless both NUTR 431N1 and NUTR 431N2 are successfully completed in a twelve month period
NUTR 431N1 and NUTR 431N2 together are equivalent to NUTR 431
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 432
Credit Weight: 3
Transcript Title: Directed Studies: Diet & Nutr 3
Calendar Title: Directed Studies: Dietetics and Nutrition 3.
Description:
An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.
Notes:
Fall and Winter
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 433
Credit Weight: 5
Transcript Title: Directed Studies: Diet & Nutr 4
Calendar Title: Directed Studies: Dietetics and Nutrition 4.
Description:
An individualized course of study in dietetics and human nutrition not available through other courses in the School. Emphasis will be placed on application of foods and nutrition knowledge, analytic and synthesis skills, and time management. A written agreement between student and instructor must be made before registration. A "C" grade is required to pass the course.
Notes:
Fall or Winter or Summer
Limited enrolment
Prerequisite: registration in NUTR 409 or equivalent.
Restriction: students in the Dietetics Major or documentation of requirement for professional registration
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 438
Credit Weight: 3
Transcript Title: Interviewing and Counselling
Calendar Title: Interviewing and Counselling.
Description:
Theories of behaviour change. Techniques and skills as applicable to the dietitian's role as communicator, interviewer, counsellor, educator, motivator and nutrition behaviour change specialist.
Notes:
Winter
Three 3-hour conferences
Prerequisites: NUTR 344 and NUTR 311
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 450
Credit Weight: 3
Transcript Title: Research Meth: Human Nutrition
Calendar Title: Research Methods: Human Nutrition.
Description:
Introduction to how diverse approaches to nutrition research including international, community, laboratory, clinical, molecular, meta-analyses are necessary to advance the field of nutrition. Emphasis on ethics, scientific method, research process and analysis of results.
Notes:
Fall
2 hour lecture, 1 hour other per week
Prerequisites: AEMA 310 or BIOL 373, and NUTR 307
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 480
Credit Weight: 12
Transcript Title: Nutrition Industry Internship
Calendar Title: Nutrition Industry Internship.
Description:
Internship with an approved host organization in the nutrition product industry.
Notes:
Note: Open to students who have a minimum of 60 credits in the Double Major Food Science/Nutritional Sciences or permission of department.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 491
Credit Weight: 3
Transcript Title: Honours Research 1
Calendar Title: Honours Research 1.
Description:
The first part of a research project under the supervision of a faculty member in the School of Human Nutrition. Development of research proposal, including literature review, objectives, and research plan. Presentation and submission of written proposal.
Notes:
Prerequisite: Permission of the instructor.
Restrictions: Only open to students in the B.Sc.(Nutr.Sc.); Honours in Nutrition program.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 492
Credit Weight: 3
Transcript Title: Honours Research 2
Calendar Title: Honours Research 2.
Description:
The second part of a research project that tests the hypothesis developed in the research proposal. Collection of data, initial interpretation of findings, progress report and plan.
Notes:
Prerequisites: NUTR 491 and permission of the instructor
Restrictions: Only open to students in the B.Sc.(Nutr.Sc.); Honours in Nutrition program
1. The minimum passing grade for the prerequisite course is A-
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 493
Credit Weight: 3
Transcript Title: Honours Research 3
Calendar Title: Honours Research 3.
Description:
The third part of a research project under the supervision of a faculty member in
the School of Human Nutrition with completion of study, data analysis, and written progress report.

**Notes:**

Prerequisites: NUTR 492 and permission of the instructor

Restrictions: Only open to students in the B.Sc.(Nutr.Sc.); Honours in Nutrition program.

1. The minimum passing grade for the prerequisite course is A-.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 494**

**Credit Weight:** 3

**Transcript Title:** Honours Research 4

**Calendar Title:** Honours Research 4.

**Description:**

Completion of research project, with final interpretation of data in written manuscript-style report and defended in conference-style presentation.

**Notes:**

Prerequisites: NUTR 493 and permission of the instructor

Restrictions: Only open to students in the B.Sc.(Nutr.Sc.); Honours in Nutrition program.

1. The minimum passing grade for the prerequisite course is A-.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 497**

**Credit Weight:** 1.5

**Transcript Title:** Professional Seminar: Nutrition

**Calendar Title:** Professional Seminar: Nutrition.

**Description:**

A capstone course which requires a student to research a topic relevant to an industrial aspect of Nutritional Science, prepare a report and communicate that information to a peer audience in a succinct and professional manner.

**Notes:**

Note: Open to students who have completed a minimum of 75 credits in the dual degree/concurrent program in Food Science/Nutritional Science or permission of Department.

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 500**

**Credit Weight:** 3

**Transcript Title:** Independent Study 1

**Calendar Title:** Independent Study 1.

**Description:**

An individualized course to allow students to undertake projects in library, laboratory, or field study.

**Notes:**

An approved course outline must be on file in the School's office prior to registration.

Prerequisite: Permission of instructor and Director of the School

**Administering Faculty:** Faculty of Agric Environ Sci

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active
NUTR 501
Credit Weight: 3
Transcript Title: Nutrition in Dev Countries
Calendar Title: Nutrition in Developing Countries.
Description:
This course will cover the major nutritional problems in developing countries. The focus will be on nutrition and health and emphasize young children and other vulnerable groups. The role of diet and disease for each major nutritional problem will be discussed.
Notes:
Fall
2 lectures and one seminar
Prerequisite: For undergraduate students, consent of instructor required
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 502
Credit Weight: 3
Transcript Title: Independent Study 2
Calendar Title: Independent Study 2.
Description:
An individualized course to allow students to undertake projects in library, laboratory, or field study.
Notes:
An approved course outline must be on file in the School's office prior to registration.
Prerequisite: Permission of instructor and Director of the School
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 503
Credit Weight: 3
Transcript Title: Nutrition and Exercise
Calendar Title: Nutrition and Exercise.
Description:
Notes:
Fall
Prerequisites: Undergraduate Basic Biochemistry (ANSC 234 or BIOC 311), Undergraduate Mammalian Physiology (EDKP 395 or PHGY 210 or ANSC 323), Undergraduate Introductory Nutrition (EDKP 292 or NUTR 207 or NUTR 307).
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 505
Credit Weight: 3
Transcript Title: Public Health Nutrition
Calendar Title: Public Health Nutrition.
Description:
This course focuses on the nutrition status of populations, communities and groups of people using a public health lens. It identifies and assesses human nutrition issues and problems, their causes, influencing factors and social conditions using a social determinants of health framework. Offers opportunities to design and conduct needs assessments, design and plan programs and plan for their evaluation. The purpose and role of participatory approaches with diverse populations and Indigenous populations in particular will be analyzed. Health systems, public health and political influence in Canada, as related to nutrition will be addressed.

Notes:
Prerequisite: NUTR 337
Restrictions: Not open to students who were registered for NUTR 403 in Fall 2017

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 506
Credit Weight: 3
Transcript Title: Qualitative Methods: Nutrition
Calendar Title: Qualitative Methods in Nutrition.
Description:
Perspectives in study design, methods, and analysis. The application of qualitative research for developing, implementing, and evaluating community nutrition programs. Critiquing qualitative research articles and proposals for cultural safety and scientific rigour.

Notes:
Prerequisite: NUTR 551

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 507
Credit Weight: 3
Transcript Title: Adv Nutritional Biochemistry
Calendar Title: Advanced Nutritional Biochemistry.
Description:
Specialized advanced topics in human nutrition, biochemistry and metabolism, including the dietary absorption and metabolism of iron, copper, and selenium and their role in energy metabolism, antioxidant defence, toxin elimination, and redox signaling and food source contamination, nutritional toxicology, and the negative impact these toxins have on metabolic networks and antioxidant defences.

Notes:
Prerequisites: NUTR 307, NUTR 337, ANSC 234
A strong understanding of basic cellular metabolism is vital for success.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 508
Credit Weight: 7
Transcript Title: Professional Practice Stage 4A
Calendar Title: Professional Practice Stage 4A.
Description:
Directed professional practice experience in domains of clinical nutrition, management, nutrition education and/or community nutrition. This course includes
at least one main clinical nutrition rotation, and may include additional weeks in other domains of practice.

**Notes:**
Corequisite(s): NUTR 509
Prerequisite(s): NUTR 409

This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience. This course includes a $125 fee for the Level IV stage manual. The fee is refundable until the end of the add/drop period as long as the manual is intact.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 509**

**Credit Weight:** 7

**Transcript Title:** Professional Practice Stage 4B

**Calendar Title:** Professional Practice Stage 4B.

**Description:**
Directed professional practice experience in domains of clinical nutrition, management, nutrition education and/or community nutrition. This course includes management and community rotations.

**Notes:**
Corequisites(s): NUTR 508
Prerequisite(s): NUTR 409

1. This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience.

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 511**

**Credit Weight:** 3

**Transcript Title:** Nutrition and Behaviour

**Calendar Title:** Nutrition and Behaviour.

**Description:**
This course will integrate biological, social and psychological determinants of eating and food choices in both health and disease. Topics will include behavioural theories relevant to eating and food choice, neurobiology of appetite regulation, mental health, obesity, chronic disease and effectiveness of behaviour-change intervention strategies.

**Notes:**
2 lectures and one seminar
Prerequisite: NUTR 337 and NUTR 344

**Administering Faculty:** Faculty of Agric Environ Sci
**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 512**

**Credit Weight:** 3

**Transcript Title:** Herbs, Foods & Phytochemicals

**Calendar Title:** Herbs, Foods and Phytochemicals.

**Description:**
An overview of the use of herbal medicines and food phytochemicals and the benefits and risks of their consumption. The physiological basis for activity and the assessment of toxicity will be presented. Current practices relating to the regulation, commercialization and promotion of herbs and phytochemicals will be considered.
Notes:
Fall
3 lectures and a project
Prerequisites (Undergraduate): FDSC 211 or LSCI 211 or BIOL 201 or BIOC 212
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 515
Credit Weight: 1
Transcript Title: Dietetics French Examination
Calendar Title: Dietetics French Examination.
Description:
Examination of French skills for the practice of dietetics. Testing will include definitions, comprehension of scientific articles, writing, conversation, and reading of and charting in medical records. Students are encouraged to take French courses as needed in the School of Continuing Studies or the French Language Centre at McGill.
Notes:
Restriction: Only open to students enrolled in the M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing program.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 520
Credit Weight: 3
Transcript Title: Indigenous Peoples' Nutrition
Calendar Title: Indigenous Peoples' Nutrition.
Description:
An in-depth examination of the antecedents of nutritional issues, understanding of the traditional and contemporary food systems, and nutrition-related health outcomes of Indigenous Peoples of Turtle Island (North America). Topics include the changing patterns of food use, systems of traditional and market food, techniques and ethics of nutritional and environmental research with Indigenous peoples. Culturally safe research and health promotion approaches for addressing the nutrition and health concerns of Indigenous communities.
Notes:
Prerequisite: NUTR 337
Corequisite: NUTR 505
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 537
Credit Weight: 3
Transcript Title: Advanced Human Metabolism
Calendar Title: Advanced Human Metabolism.
Description:
Advanced topics in regulation and dysregulation of metabolism integrating mechanistic pre-clinical approaches to studying human health and disease. Presentation and critical analysis of metabolic research.
Notes:
Prerequisites: NUTR 307, NUTR 337, ANSC 234, ANSC 424
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 545
Credit Weight: 4
Transcript Title: Clinical Nutrition 2
Calendar Title: Clinical Nutrition 2.
Description: Pathophysiology and clinical nutrition intervention for various medical conditions. Topics include gastrointestinal disorders, surgery and nutrition support.
Notes: Fall
One 3-hour lecture One 1-hour lab
Prerequisites: NUTR 337, NUTR 344 and ANSC 424
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 546
Credit Weight: 4
Transcript Title: Clinical Nutrition 3
Calendar Title: Clinical Nutrition 3.
Description: Clinical nutrition for diabetes, renal disease, eating disorders and other disorders in both adult and pediatric populations.
Notes: Fall
Prerequisite(s): NUTR 337, NUTR 344 and ANSC 424
Two 2.5-hr lectures
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 551
Credit Weight: 3
Transcript Title: Analysis of Nutrition Data
Calendar Title: Analysis of Nutrition Data.
Description: Practical application of theoretical concepts in data analysis covering issues of study design, data collection, database organization, and statistical analysis using SPSS statistical software. Applications of statistical tests, reporting and interpretation of results, and data visualization.
Notes: Fall
Prerequisites: NUTR 337, AEMA 310 or another undergraduate-level statistics course.
Corequisite: NUTR 450
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 603
Credit Weight: 3
Transcript Title: Credentialing in Dietetics
Calendar Title: Credentialing in Dietetics.
Description:
Theoretical and practical integration of knowledge and skills required during graduate professional practice. Includes clinical assessment and nutritional monitoring techniques, analysis of interviewing and counseling situations, and application of management information systems and quality assurance procedures.

Symbols: ALTY - Taught in alternate years

Notes:

Winter
Prerequisite: Permission of instructor.
Not open to students who have taken NUTR 513.
Open to students in the Master of Science (Applied) [M.Sc. (A.)] Human Nutrition (Non-Thesis): Dietetics Credentialing and the Graduate Diploma (Gr. Dip.) Registered Dietitian Credentialing.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 604
Credit Weight: 3
Transcript Title: Integrated Metabolic Research
Calendar Title: Integrated Metabolic Research.
Description:
An in-depth analysis of literature, concepts and investigative approaches to metabolic nutrition research with particular emphasis on molecular biology, biochemistry and stable isotope kinetics research. Critical analysis of metabolic research design, methodologies, and analysis of context and metabolism.
Symbols: ALTY - Taught in alternate years
Notes:
2 seminars and 1 lab visit
Prerequisites: at least one 500 or 600-level course in nutritional biochemistry, e.g., ANSC 551, ANSC 552, ANSC 634, and permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 606
Credit Weight: 3
Transcript Title: Human Nutrition Res Methods
Calendar Title: Human Nutrition Research Methods.
Description:
Basic approaches, philosophy and techniques used in nutrition research with human population groups. The course will include the formation and criticism of designs for research, sampling techniques, measurement and analysis issues and human research ethics.
Notes:
Winter
3 lectures
Prerequisites: A graduate course in statistics or permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 607
Credit Weight: 3
Transcript Title: Counselling in Prof Practice
Calendar Title: Counselling in Professional Practice.
Description:
Techniques and strategies to enhance interpersonal skills for the health care environment. Topics include ethics, leadership and interprofessional teamwork.

Hands-on practice in the dietitian's role as nutrition communicator, interviewer, counsellor, educator, motivator and behavioural change facilitator. Principles and practices essential to participating in entry-level dietetics.

Notes:
Prerequisites: NUTR 545, NUTR 546
Restriction: Only open to students registered in the M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing program.
Corequisites: IPEA 501, IPEA 502, IPEA 503

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 608
Credit Weight: 3
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.

Description:
Prescribed reading, conference, lectures, assignments and/or practical work on selected topics in student's area of specialization. An approved course outline must be on file in the School's office prior to registration.

Notes:
Prerequisite: Permission of instructor and Director of School.
Restriction: Graduate students in Nutrition.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 609
Credit Weight: 3
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.

Description:
An individualized course to allow students to undertake projects in library, laboratory, or field study. An approved course outline must be on file in the School's office prior to registration.

Notes:
Prerequisite: Permission of instructor and Director of School.
Restriction: Graduate students in Nutrition.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 610
Credit Weight: 3
Transcript Title: Pediatric & Maternal Nutrition
Calendar Title: Pediatric and Maternal Nutrition.

Description:
The scientific basis for topical and controversial issues during pregnancy, lactation and pediatric nutrition. Physiological, biochemical and molecular aspects of nutrient metabolism affecting maternal and pediatric health. Topics include molecular nutrition and birth defects, toxin-nutrient interactions and maldevelopment; epigenetics and metabolic programming; disrupted macro- and micronutrient metabolism and pregnancy complications; essential fatty acid metabolism and neural development; antioxidants, oxidative distress, inflammation
and maternal and pediatric health.  

Symbols: ALTY - Taught in alternate years

Notes:
NUTR 337 or course in nutrition across the lifespan at the intermediate undergraduate level.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 611
Credit Weight: 2
Transcript Title: Graduate Prof Practice 1
Calendar Title: Graduate Professional Practice 1.
Description:
A case-based Stage preparation course, including activities at the McGill Simulation Centre to assess basic proficiency in nutritional assessment; nutrition care planning, implementation, and evaluation; professional practice skills; and medical records management. Students will complete nutrition care in simulated situations for specific nutrition-related conditions, along with completing a comprehensive written evaluation.

Notes:
Prerequisite(s): NUTR 344, (NUTR 513 or NUTR 603)
Restriction: Only open to students in the M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing program.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 612
Credit Weight: 8
Transcript Title: Grad Prof Pract 2 Management
Calendar Title: Graduate Professional Practice 2 Management.
Description:
Assessment, planning, implementation, communication and evaluation in management of Food and Nutrition Systems. Focus is on application of management theory in dietetic practice.

Notes:
Prerequisite(s): (NUTR 513 or NUTR 603), NUTR 515, NUTR 611
Restriction: Limited to students registered in the Graduate Diploma in Registered Dietitian Credentialing, and Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing.
The course NUTR 612 includes a $128.75 fee for the working manual. The fee is essentially for printing costs and for the purchase of copyrighted material used in the preparation of the package. The fee is refundable until the end of the add/drop period as long as the manual is intact.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 613
Credit Weight: 7
Transcript Title: Grad Prof Pract 3 Clin Nutr
Calendar Title: Graduate Professional Practice 3 Clinical Nutrition.
Description:
Initial rotation(s) in clinical nutrition. Assessment, planning, implementation, communication and evaluation of clinical nutrition care. Focus is on application of medical nutritional therapy for individuals and groups with a variety of
disease states.

Notes:
Prerequisite(s): (NUTR 513 or NUTR 603), NUTR 515, NUTR 611
Restriction: Only open to students in the M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing or Graduate Diploma in Registered Dietitian Credentialing.
Not open to students who have taken NUTR 613, NUTR 613D1/D2, or NUTR 613N1/N2 prior to 201909.
The course NUTR 613 includes a $128.75 fee for the working manual. The fee is essentially for printing costs and for the purchase of copyrighted material used in the preparation of the package. The fee is refundable until the end of the add/drop period as long as the manual is intact.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 614
Credit Weight: 8
Transcript Title: Grad Prof Pract 4 Comm Nutr
Calendar Title: Graduate Professional Practice 4 Community Nutrition.
Description:
Assessment, planning, implementation, communication, and evaluation of public health and community nutrition programs for a variety of individuals and population groups. Focus is on intervention strategies and their evaluation.

Notes:
Prerequisite(s): (NUTR 513 or NUTR 603), NUTR 515, NUTR 611
Restriction: Only open to students registered in the Graduate Diploma in Registered Dietitian Credentialing, and M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing.
The course NUTR 614 includes a $128.75 fee for the working manual. The fee is essentially for printing costs and for the purchase of copyrighted material used in the preparation of the package. The fee is refundable until the end of the add/drop period as long as the manual is intact.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 615
Credit Weight: 7
Transcript Title: Grad Prof Pract 5 Clin Nutr
Calendar Title: Graduate Professional Practice 5 Clinical Nutrition.
Description:
Final rotation(s) in clinical nutrition. Assessment, planning, implementation, communication and evaluation of clinical nutrition care. Focus is on application of medical nutritional therapy for individuals and groups with a variety of disease states.

Notes:
Prerequisite(s): (NUTR 513 or NUTR 603), NUTR 515, NUTR 611
Restriction: Only open to students in the M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing or the Graduate Diploma in Registered Dietitian Credentialing.
Not open to students who have taken NUTR 613, NUTR 613D1/D2, or NUTR 613N1/N2 prior to 201909.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active
NUTR 618
Credit Weight: 1
Transcript Title: Dietetics Professional Practice
Calendar Title: Dietetics Professional Practice.
Description: Introduction to the dietetics profession including ethics; provincial regulation; competencies and domains of practice; and dietetic practice in the hospital environment. Introductory activities related to food, food industry, agriculture, public health nutrition and clinical nutrition.
Notes:
Corequisite: IPEA 500
Restriction: Only open to students in Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 625
Credit Weight: 3
Transcript Title: Emerg Issues for Nutritionists
Calendar Title: Emerging Issues for Nutritionists.
Description: Emerging issues in nutrition and dietetics relevant to professional practice. Emphasis on research and writing updates for professional practice documents. Effective oral communication skills with other allied health professionals, as well as the general public. A focus on online communication, evaluating and promoting accurate nutrition science appropriate for diverse target groups. Skills associated with professional leadership roles.
Notes:
Prerequisites: NUTR 695, NUTR 696
Restriction: Not open to students who have taken NUTR 626. Only open to students registered in the M.Sc. (Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing program.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 626
Credit Weight: 2
Transcript Title: Writing for Dietetics Practice
Calendar Title: Writing for Dietetics Practice.
Description: Identification and practice of effective writing techniques for the different types of writing likely to be required in dietetics practice, when taking a leadership role, promoting the profession, sharing knowledge and experience, and inspiring others. Writing for different segments of the general population, to writing for a professional audience. Peer critique and revision of text and design, in an effort to reach excellence, are important aspects of the course.
Notes:
Corequisite(s): NUTR 625 NUTR 695
Restriction: Only open to students enrolled in the M.Sc.(Applied) in Human Nutrition; Non-Thesis - Dietetics Credentialing program.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active
NUTR 629
Credit Weight: 6
Transcript Title: Professional Dietetics Project
Calendar Title: Professional Dietetics Project.
Description:
A team project (3 or 4 students). Interventions and outcomes, or development and
evaluation of tools and resources for dietetics practice, in a clinical or
community nutrition setting, with individuals or groups as the target population.
The project findings will be disseminated through a final report and a
presentation to health professionals.
Notes:
Prerequisite: NUTR628
Restrictions: Only open to students in the M.Sc.(Applied) in Human Nutrition;
Non-Thesis - Dietetics Credentialing program.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 629D1
Credit Weight: 3
Transcript Title: Professional Dietetics Project
Calendar Title: Professional Dietetics Project.
Description:
A team project (3 or 4 students). Interventions and outcomes, or development and
evaluation of tools and resources for dietetics practice, in a clinical or
community nutrition setting, with individuals or groups as the target population.
The project findings will be disseminated through a final report and a
presentation to health professionals.
Notes:
Prerequisite: NUTR628
Restrictions: Only open to students in the M.Sc.(Applied) in Human Nutrition;
Non-Thesis - Dietetics Credentialing program.
Students must register for both NUTR 629D1 and NUTR 629D2.
No credit will be given for this course unless both NUTR 629D1 and NUTR 629D2 are
successfully completed in consecutive terms
NUTR 629D1 and NUTR 629D2 together are equivalent to NUTR 629.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 629D2
Credit Weight: 3
Transcript Title: Professional Dietetics Project
Calendar Title: Professional Dietetics Project.
Description:
A team project (3 or 4 students). Interventions and outcomes, or development and
evaluation of tools and resources for dietetics practice, in a clinical or
community nutrition setting, with individuals or groups as the target population.
The project findings will be disseminated through a final report and a
presentation to health professionals.
Notes:
Prerequisite: NUTR628
Restrictions: Only open to students in the M.Sc.(Applied) in Human Nutrition;
Non-Thesis - Dietetics Credentialing program.
Students must register for both NUTR 629D1 and NUTR 629D2.
No credit will be given for this course unless both NUTR 629D1 and NUTR 629D2 are successfully completed in consecutive terms.

NUTR 629D1 and NUTR 629D2 together are equivalent to NUTR 629.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 641**

**Credit Weight:** 3

**Transcript Title:** Advanced Global Food Security

**Calendar Title:** Advanced Global Food Security

**Description:**
Food security is a major concern on the international development agenda: hundreds of millions, and perhaps even billions of individuals still face food insecurity and hunger, even years after the Millennium Summit. This course is designed to provide graduate students with multidisciplinary tools in research and education required by practitioners and researchers to better assess, understand, and positively impact global food security. Students will attend the Annual McGill Global Food Security Conference, and will actively review presentations and interact with world experts from various sectors and disciplines presenting on cutting edge research and the state of Global Food Security.

**Notes:**
Prerequisite(s): Permission from Instructor.
Restriction(s): Not open to students who have taken NUTR 608 when topic was "Advanced Global Food Security".

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 651**

**Credit Weight:** 3

**Transcript Title:** M.Sc. (A) Literature Review

**Calendar Title:** M.Sc. (Applied) Literature Review

**Description:**
Review of literature and definition of problem/objective for the project or practicum.

**Notes:**
Prerequisite: NUTR 606, NUTR 695 Can also be taken as corequisites.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Nutrition

**Status (catalog level):** Active

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**NUTR 652**

**Credit Weight:** 3

**Transcript Title:** M.Sc.(Applied)Project 1

**Calendar Title:** M.Sc. (Applied) Project 1

**Description:**
Project design and planning.

**Notes:**
Prerequisite: NUTR 651

**Administering Faculty:** Graduate Studies

**Teaching Department:** Human Nutrition
Status (catalog level): Active

NUTR 653
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Project 2
Calendar Title: M.Sc. (Applied) Project 2.
Description: Project execution. This project relates to the Human Nutrition M.Sc. (Applied) degree.
Notes: Prerequisite: NUTR 652
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 654
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Project 3
Calendar Title: M.Sc. (Applied) Project 3.
Description: Continuation of project execution and data collection; preliminary analysis. This project relates to the Human Nutrition M.Sc. (Applied) degree.
Notes: Prerequisite: NUTR 653
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 655
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Project 4
Calendar Title: M.Sc. (Applied) Project 4.
Description: Data analysis. Submission of project report. This project relates to the Human Nutrition M.Sc. (Applied) degree.
Notes: Prerequisite: NUTR 654
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 656
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Practicum 1
Calendar Title: M.Sc. (Applied) Practicum 1.
Description: Clinical or community placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.
Notes: Prerequisite: NUTR 651
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 657
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Practicum 2
Calendar Title: M.Sc. (Applied) Practicum 2.
Description:
Continuation of placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.
Notes:
Prerequisite: NUTR 656
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 658
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Practicum 3
Calendar Title: M.Sc. (Applied) Practicum 3.
Description:
Continuation of placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.
Notes:
Prerequisite: NUTR 657
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 659
Credit Weight: 3
Transcript Title: M.Sc. (Applied) Practicum 4
Calendar Title: M.Sc. (Applied) Practicum 4.
Description:
Continuation of placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.
Notes:
Prerequisite: NUTR 658
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 660
Credit Weight: 1
Transcript Title: M.Sc. (A) Final Presentation
Calendar Title: M.Sc. (Applied) Final Presentation.
Description:
Final oral presentation of the project or practicum.
Notes:
Prerequisite: NUTR 629 or NUTR 654 or NUTR 658
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 680
Credit Weight: 7
Transcript Title: Human Nutrition M.Sc. Thesis 1
Calendar Title: Human Nutrition M.Sc. Thesis 1.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.

Administrating Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 680D1
Credit Weight: 3.5
Transcript Title: Human Nutrition M.Sc. Thesis 1
Calendar Title: Human Nutrition M.Sc. Thesis 1.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.

Notes: Students must register for both NUTR 680D1 and NUTR 680D2
No credit will be given for this course unless both NUTR 680D1 and NUTR 680D2 are successfully completed in consecutive terms
NUTR 680D1 and NUTR 680D2 together are equivalent to NUTR 680

Administrating Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 680D2
Credit Weight: 3.5
Transcript Title: Human Nutrition M.Sc. Thesis 1
Calendar Title: Human Nutrition M.Sc. Thesis 1.
Description: See NUTR 680D1 for course description.

Notes: Prerequisite: NUTR 680D1
No credit will be given for this course unless both NUTR 680D1 and NUTR 680D2 are successfully completed in consecutive terms
NUTR 680D1 and NUTR 680D2 together are equivalent to NUTR 680

Administrating Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 680N1
Credit Weight: 3.5
Transcript Title: Human Nutrition M.Sc. Thesis 1
Calendar Title: Human Nutrition M.Sc. Thesis 1.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.

Notes: Students must also register for NUTR 680N2
No credit will be given for this course unless both NUTR 680N1 and NUTR 680N2 are successfully completed in a twelve month period
NUTR 680N1 and NUTR 680N2 together are equivalent to NUTR 680

Administrating Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 680N2
Credit Weight: 3.5
Transcript Title: Human Nutrition M.Sc. Thesis 1
Calendar Title: Human Nutrition M.Sc. Thesis 1.
Description:
See NUTR 680N1 for course description.
Notes:
Prerequisite: NUTR 680N1
No credit will be given for this course unless both NUTR 680N1 and NUTR 680N2 are successfully completed in a twelve month period
NUTR 680N1 and NUTR 680N2 together are equivalent to NUTR 680
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 681
Credit Weight: 8
Transcript Title: Human Nutrition M.Sc. Thesis 2
Calendar Title: Human Nutrition M.Sc. Thesis 2.
Description:
Independent research under the direction of a supervisor toward completion of the M.Sc. thesis. Presentation of a thesis proposal.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 681D1
Credit Weight: 4
Transcript Title: Human Nutrition M.Sc. Thesis 2
Calendar Title: Human Nutrition M.Sc. Thesis 2.
Description:
Independent research under the direction of a supervisor toward completion of the M.Sc. thesis. Presentation of a thesis proposal.
Notes:
Students must register for both NUTR 681D1 and NUTR 681D2
No credit will be given for this course unless both NUTR 681D1 and NUTR 681D2 are successfully completed in consecutive terms
NUTR 681D1 and NUTR 681D2 together are equivalent to NUTR 681
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 681D2
Credit Weight: 4
Transcript Title: Human Nutrition M.Sc. Thesis 2
Calendar Title: Human Nutrition M.Sc. Thesis 2.
Description:
See NUTR 681D1 for course description.
Notes:
Prerequisite: NUTR 681D1
No credit will be given for this course unless both NUTR 681D1 and NUTR 681D2 are successfully completed in consecutive terms
NUTR 681D1 and NUTR 681D2 together are equivalent to NUTR 681
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive
NUTR 681N1
Credit Weight: 4
Transcript Title: Human Nutrition M.Sc. Thesis 2
Calendar Title: Human Nutrition M.Sc. Thesis 2.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis. Presentation of a thesis proposal.
Notes: Students must also register for NUTR 681N2
No credit will be given for this course unless both NUTR 681N1 and NUTR 681N2 are successfully completed in a twelve month period
NUTR 681N1 and NUTR 681N2 together are equivalent to NUTR 681
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 681N2
Credit Weight: 4
Transcript Title: Human Nutrition M.Sc. Thesis 2
Calendar Title: Human Nutrition M.Sc. Thesis 2.
Description: See NUTR 681N1 for course description.
Notes: Prerequisite: NUTR 681N1
No credit will be given for this course unless both NUTR 681N1 and NUTR 681N2 are successfully completed in a twelve month period
NUTR 681N1 and NUTR 681N2 together are equivalent to NUTR 681
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 682
Credit Weight: 9
Transcript Title: Human Nutr M.Sc. Thesis 3
Calendar Title: Human Nutrition M.Sc. Thesis 3.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 682D1
Credit Weight: 4.5
Transcript Title: Human Nutr M.Sc. Thesis 3
Calendar Title: Human Nutrition M.Sc. Thesis 3.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.
Notes: Students must register for both NUTR 682D1 and NUTR 682D2
No credit will be given for this course unless both NUTR 682D1 and NUTR 682D2 are successfully completed in consecutive terms
NUTR 682D1 and NUTR 682D2 together are equivalent to NUTR 682
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 682D2
Credit Weight: 4.5
Transcript Title: Human Nutr M.Sc. Thesis 3
Calendar Title: Human Nutrition M.Sc. Thesis 3.
Description: See NUTR 682D1 for course description.
Notes: Prerequisite: NUTR 682D1
No credit will be given for this course unless both NUTR 682D1 and NUTR 682D2 are successfully completed in consecutive terms
NUTR 682D1 and NUTR 682D2 together are equivalent to NUTR 682

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 682N1
Credit Weight: 4.5
Transcript Title: Human Nutr M.Sc. Thesis 3
Calendar Title: Human Nutrition M.Sc. Thesis 3.
Description: Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.
Notes: Students must also register for NUTR 682N2
No credit will be given for this course unless both NUTR 682N1 and NUTR 682N2 are successfully completed in a twelve month period
NUTR 682N1 and NUTR 682N2 together are equivalent to NUTR 682

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 682N2
Credit Weight: 4.5
Transcript Title: Human Nutr M.Sc. Thesis 3
Calendar Title: Human Nutrition M.Sc. Thesis 3.
Description: See NUTR 682N1 for course description.
Notes: Prerequisite: NUTR 682N1
No credit will be given for this course unless both NUTR 682N1 and NUTR 682N2 are successfully completed in a twelve month period
NUTR 682N1 and NUTR 682N2 together are equivalent to NUTR 682

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 683
Credit Weight: 9
Transcript Title: Human Nutrition M.Sc. Thesis 4
Description: Final submission and approval of the M.Sc. thesis.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 683D1
Credit Weight: 4.5
Transcript Title: Human Nutrition M.Sc. Thesis 4
Description: Final submission and approval of the M.Sc. thesis.
Notes: Students must register for both NUTR 683D1 and NUTR 683D2. No credit will be given for this course unless both NUTR 683D1 and NUTR 683D2 are successfully completed in consecutive terms. NUTR 683D1 and NUTR 683D2 together are equivalent to NUTR 683.

NUTR 683D2
Credit Weight: 4.5
Transcript Title: Human Nutrition M.Sc. Thesis 4
Description: See NUTR 683D1 for course description.
Notes: Prerequisite: NUTR 683D1. No credit will be given for this course unless both NUTR 683D1 and NUTR 683D2 are successfully completed in consecutive terms. NUTR 683D1 and NUTR 683D2 together are equivalent to NUTR 683.

NUTR 683N1
Credit Weight: 4.5
Transcript Title: Human Nutrition M.Sc. Thesis 4
Description: Final submission and approval of the M.Sc. thesis.
Notes: Students must also register for NUTR 683N2. No credit will be given for this course unless both NUTR 683N1 and NUTR 683N2 are successfully completed in a twelve month period. NUTR 683N1 and NUTR 683N2 together are equivalent to NUTR 683.

NUTR 683N2
Credit Weight: 4.5
Transcript Title: Human Nutrition M.Sc. Thesis 4
Description: See NUTR 683N1 for course description.
Notes:
Prerequisite: NUTR 683N1
No credit will be given for this course unless both NUTR 683N1 and NUTR 683N2 are successfully completed in a twelve month period
NUTR 683N1 and NUTR 683N2 together are equivalent to NUTR 683

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Inactive

NUTR 695
Credit Weight: 1
Transcript Title: Hum Nutr Research Orientation
Calendar Title: Human Nutrition Research Orientation.
Description: Orientation to graduate studies in nutrition including research ethics and safety training, library and literature search skills.
Notes: Restriction(s): Open to graduate students in Human Nutrition only.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 696
Credit Weight: 1
Transcript Title: Human Nutrition Seminar
Calendar Title: Human Nutrition Seminar.
Description: Students will present a recent original research article in which the methods and data presentation will be critically analyzed. The article must be approved by the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 697
Credit Weight: 1
Transcript Title: MSc Final Presentation
Calendar Title: MSc Final Presentation.
Description: Presentation of final masters thesis research in Colloquium.

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 701
Credit Weight: 0
Transcript Title: Doctoral Comprehensive Exam
Calendar Title: Doctoral Comprehensive Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: See Faculty Regulations

Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
<th>Administering Faculty</th>
<th>Teaching Department</th>
<th>Status (catalog level)</th>
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<tbody>
<tr>
<td>NUTR 701D1</td>
<td>0</td>
<td>Doctoral Comprehensive Exam</td>
<td>Doctoral Comprehensive Examination</td>
<td>An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.</td>
<td>Students must register for both NUTR 701D1 and NUTR 701D2. No credit will be given for this course unless both NUTR 701D1 and NUTR 701D2 are successfully completed in consecutive terms. NUTR 701D1 and NUTR 701D2 together are equivalent to NUTR 701.</td>
<td>Graduate Studies</td>
<td>Human Nutrition</td>
<td>Inactive</td>
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<tr>
<td>NUTR 701D2</td>
<td>0</td>
<td>Doctoral Comprehensive Exam</td>
<td>Doctoral Comprehensive Examination</td>
<td>See NUTR 701D1 for course description.</td>
<td>Prerequisite: NUTR 701D1. No credit will be given for this course unless both NUTR 701D1 and NUTR 701D2 are successfully completed in consecutive terms. NUTR 701D1 and NUTR 701D2 together are equivalent to NUTR 701.</td>
<td>Graduate Studies</td>
<td>Human Nutrition</td>
<td>Inactive</td>
</tr>
<tr>
<td>NUTR 796</td>
<td>1</td>
<td>PhD Research Presentation</td>
<td>PhD Research Presentation</td>
<td>Presentation of advanced thesis research in Colloquium towards the end of the program.</td>
<td></td>
<td>Graduate Studies</td>
<td>Human Nutrition</td>
<td>Active</td>
</tr>
</tbody>
</table>
OBY 401
Credit Weight: 6
Transcript Title: Obstetrics & Gynecology Clerkship
Calendar Title: Obstetrics and Gynecology Clerkship.
Description:
During the obstetrics and gynecology course, students will participate in a variety of experiences to learn the knowledge, skills and attitudes relevant to health care for women. The major goals of the clerkship are to introduce students to the broad range of skills and knowledge encompassed in the specialty of obstetrics and gynecology; to demonstrate the interrelationship of specialty and primary care in the care of women across the life span; to provide students with the ability to address common inpatient and outpatient health problems of women; and to demonstrate the obstetrician-gynecologist's interactions with other providers of medical care to achieve optimal benefit in the care of women.
Notes:
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Health Sci
Teaching Department: Obstetrics & Gynecology
Status (catalog level): Active
OCC1 245
Credit Weight: 3
Transcript Title: Intro to Prof Practice 1
Calendar Title: Introduction to Professional Practice 1.
Description:
Introduction to Occupational Therapy through interactive seminars.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 443
Credit Weight: 3
Transcript Title: Constructing Mental Health
Calendar Title: Constructing Mental Health.
Description:
This course provides foundational knowledge for occupational therapy practice in psychiatry from a historical and critical perspective. Students will have the opportunity to develop mental health literacy, and apply previously learned concepts for occupation-focused reasoning in the domain of mental illness and mental health.
Notes:
Prerequisite(s): OCC1 245 & POTH 250
Restriction(s): This course is only open to U2 students in the BSc. (Rehab.Sc); Major in Occupational Therapy.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 450
Credit Weight: 3
Transcript Title: Enabling Leisure Occupations
Calendar Title: Enabling Leisure Occupations.
Description:
An examination of the concepts of leisure and play as occupations throughout the lifespan. Students will explore a variety of adapted leisure activities including those available within local community organizations and will appreciate the role of occupational therapy in, and importance of, enabling leisure occupations.
Notes:
Prerequisite(s): OCC1 245 & POTH 250
Restriction(s): This course is only open to students in the BSc. (Rehab.Sc); Major in Occupational Therapy.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 500D1
Credit Weight: 0
Transcript Title: Pre-Clinical Practicum Seminar
Calendar Title: Pre-Clinical Practicum Seminar.
Description:
This compulsory seminar course will comprise 5 pre-clinical seminars of two hours each to be offered in the U3/QY year during the Fall term (one seminar; total of 2 hrs) and during the Winter term (4 seminars; total of 8 hrs). This course is a prerequisite for Clinical Practicum 1 and 2 (OCC1 501 and OCC1 502).
Notes:
Restriction(s): Open only to students registered in the following programs: BSc Rehabilitation Science (Major Occupational Therapy) and MSc Applied Qualifying
Year for Occupational Therapy.
Students must register for both OCC1 500D1 and OCC1 500D2.
No credit will be given for this course unless both OCC1 500D1 and OCC1 500D2 are successfully completed in consecutive terms.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 500D2
Credit Weight: 0
Transcript Title: Pre-Clinical Practicum Seminar
Calendar Title: Pre-Clinical Practicum Seminar.
Description:
This compulsory seminar course will comprise 5 pre-clinical seminars of two hours each to be offered in the U3/QY year during the Fall term (one seminar; total of 2 hrs) and during the Winter term (4 seminars; total of 8 hrs). This course is a prerequisite for Clinical Practicum 1 and 2 (OCC1 501 and OCC1 502).

Notes:
Restriction(s): Open only to students registered in the following programs: BSc Rehabilitation Science (Major Occupational Therapy) and MSc Applied Qualifying Year for Occupational Therapy.
Prerequisite(s): OCC1 500D1.
No credit will be given for this course unless both OCC1 500D1 and OCC1 500D2 are successfully completed in consecutive terms.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 501
Credit Weight: 7
Transcript Title: Clinical Practicum 1
Calendar Title: Clinical Practicum 1.
Description:
First supervised clinical practicum. Introduction to history taking, clinical reasoning, assessment and treatment for physical and psychiatric conditions.

Notes:
Prerequisites: OCC1 545, OCC1 546, OCC1 547, OCC1 548, OCC1 549, OCC1 550, OCC1 551
**Due to the COVID-19 situation, add/drop is the tenth lecture day and withdrawal is the thirteenth lecture day.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 502
Credit Weight: 7
Transcript Title: Clinical Practicum 2
Calendar Title: Clinical Practicum 2.
Description:
Second supervised clinical practicum.

Notes:
Prerequisite: OCC1 501
**Due to the COVID-19 situation, add/drop is the eleventh lecture day and withdrawal is the fifteenth lecture day.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
OCC1 503
Credit Weight: 8
Transcript Title: Clinical Practicum 3
Calendar Title: Clinical Practicum 3.
Description: Third supervised clinical practicum.
Notes: Prerequisites: OCC1 502 and Fall Courses in M1 OT
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 545
Credit Weight: 8
Transcript Title: Therapeutic Strategies in OT 1
Calendar Title: Therapeutic Strategies in OT 1.
Description: Evaluation, intervention and planning using a neuromuscular skeletal framework.
Notes: Restriction: U3/QY OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 546
Credit Weight: 3
Transcript Title: Strategies in OT Prof Practice
Calendar Title: Strategies in OT Professional Practice.
Description: Strategies and systems which impact the role of the PT & OT therapist in traditional and role-emerging health service delivery settings including administration and management, service delivery models and professional readiness.
Notes: Restriction: OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 547
Credit Weight: 6
Transcript Title: Occupational Solutions 1
Calendar Title: Occupational Solutions 1.
Description: Assessment and treatment of clients with disorders of the nervous system.
Notes: Restriction: U3/QY OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 548
Credit Weight: 3
Transcript Title: Holistic Approaches in OT
Calendar Title: Holistic Approaches in OT.
Description:
The theory, principles of treatment, clinical reasoning and therapeutic use of activities in the OT intervention of acute and chronic medical and surgical conditions.

Notes:
Restriction: U3/QY OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 549
Credit Weight: 4
Transcript Title: Therapeutic Strategies in OT 2
Calendar Title: Therapeutic Strategies in OT 2.
Description: Advanced Therapeutic Strategies for systemic and complex conditions.
Notes:
Prerequisite: OCC1 545
Restriction: U3/QY OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 550
Credit Weight: 3
Transcript Title: Enabling Human Occupation
Calendar Title: Enabling Human Occupation.
Description: Occupational performance (productivity, self-care, leisure) is examined through the Canadian Occupational Performance Model and the Model of Human Occupation, both of which focus on the interaction of the individual with the environment. Human performance is analyzed focusing on prevention of disability and/or restoration of function.
Notes:
Restriction: U3/QY OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 551
Credit Weight: 3
Transcript Title: Psychosocial Practice in OT
Calendar Title: Psychosocial Practice in OT.
Description: Principles of basic psychosocial assessments and treatment approaches for psychiatric conditions.
Notes:
Restriction: U3/QY OT students only
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 600J1
Credit Weight: 0
Transcript Title: Clinical Practicum Seminars
Calendar Title: Clinical Practicum Seminars.
Description:
This compulsory course will comprise 9 pre-clinical seminars to be offered in the M1 and M2 years prior to Clinical Practicum 3 and 4. The seminars will be implemented during the M1 Summer term (1 seminar; total of 2 hrs), M1 Fall term (2 seminars; total of 4 hrs), M1 Winter term (5 seminars; total of 11.5 hrs) and the M2 Fall term (1 seminars; total of 1 hr). This course is a prerequisite for Clinical Practicum 3 and 4 (OCC1 503 and OCC1 602).

Notes:
Restriction(s): Open only to students registered in the following program:
M.Sc.(Applied) in Occupational Therapy.
No credit will be given for this course unless OCC1 600J1, OCC1 600J2 and OCC1 600J3 are successfully completed in consecutive terms.
Students must register for OCC1 600J1, OCC1 600J2 and OCC1 600J3.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 600J2
Credit Weight: 0
Transcript Title: Clinical Practicum Seminars
Calendar Title: Clinical Practicum Seminars.
Description:
This compulsory course will comprise 9 pre-clinical seminars to be offered in the M1 and M2 years prior to Clinical Practicum 3 and 4. The seminars will be implemented during the M1 Summer term (1 seminar; total of 2 hrs), M1 Fall term (2 seminars; total of 4 hrs), M1 Winter term (5 seminars; total of 11.5 hrs) and the M2 Fall term (1 seminars; total of 1 hr). This course is a prerequisite for Clinical Practicum 3 and 4 (OCC1 503 and OCC1 602).

Notes:
Restriction(s): Open only to students registered in the following program:
M.Sc.(Applied) in Occupational Therapy.
Prerequisite OCC1 600J1
Students must register for OCC1 600J1, OCC1 600J2 and OCC1 600J3.
No credit will be given for this course unless OCC1 600J1, OCC1 600J2 and OCC1 600J3 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 600J3
Credit Weight: 0
Transcript Title: Clinical Practicum Seminars
Calendar Title: Clinical Practicum Seminars.
Description:
This compulsory course will comprise 9 pre-clinical seminars to be offered in the M1 and M2 years prior to Clinical Practicum 3 and 4. The seminars will be implemented during the M1 Summer term (1 seminar; total of 2 hrs), M1 Fall term (2 seminars; total of 4 hrs), M1 Winter term (5 seminars; total of 11.5 hrs) and the M2 Fall term (1 seminars; total of 1 hr). This course is a prerequisite for Clinical Practicum 3 and 4 (OCC1 503 and OCC1 602).

Notes:
Restriction(s): Open only to students registered in the following program:
M.Sc.(Applied) in Occupational Therapy.
Prerequisite(s): OCC1 600J1, OCC1 600J2.
No credit will be given for this course unless OCC1 600J1, OCC1 600J2 and OCC1 600J3 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

OCC1 602
Credit Weight: 7
Transcript Title: Clinical Practicum 4
Calendar Title: Clinical Practicum 4.
Description: Fourth clinical practicum.
Notes: Prerequisite: OCC1 503
Restriction: OT students only

OCC1 617
Credit Weight: 6
Transcript Title: Occupational Solutions 2
Calendar Title: Occupational Solutions 2.
Description: OT assessment and treatment of clients with disorders of the nervous system.
Notes: Prerequisite: OCC1 547
Restriction: M1 OT students only

OCC1 618
Credit Weight: 5
Transcript Title: Applied OT: Psychosocial Theory
Calendar Title: Applied OT: Psychosocial Theory.
Description: Current theories of psychosocial OT, including advanced psychosocial assessments and individual and/or group interventions relevant to specific psychosocial theories.
Notes: Prerequisite: OCC1 551
Restriction: M1 OT students only

OCC1 620
Credit Weight: 3
Transcript Title: Work/Ergonomics
Calendar Title: Work/Ergonomics.
Description: The principles of vocational rehabilitation including job demands analysis, functional capacity evaluation, and return to work. Examines environmental influences, ergonomic principles and assessment, the fitting of the workplace to the capabilities of the human worker, promotion of work safety, and injury prevention.
Notes:
Restriction: M1 OT students only

**Administering Faculty:** Graduate Studies

**Teaching Department:** Phys and Occ Therapy

**Status (catalog level):** Active

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### OCC1 622

**Credit Weight:** 3

**Transcript Title:** Community-Based OT

**Calendar Title:** Community-Based OT.

**Description:**
Assessment of community needs, development of OT community services, and the different roles of the OT in mental health and in the international community. Reintegration of the client in the socio-cultural community.

**Notes:**
- Prerequisite: OCC1 618
- Restriction: M1 OT students only

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### OCC1 623

**Credit Weight:** 3

**Transcript Title:** Assistive Technology

**Calendar Title:** Assistive Technology.

**Description:**
Application of high and low-technology assistive devices to enhance performance and individual human needs, including alternative computer access, manual and powered mobility, augmentative communication, telecommunications and environmental control, social and professional issues regarding technology service delivery.

**Notes:**
- Restriction: M1 OT students only

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### OCC1 625

**Credit Weight:** 3

**Transcript Title:** Functional Environments

**Calendar Title:** Functional Environments.

**Description:**
Problems and solutions of the environment that impact negatively on the physically or mentally disabled individual.

**Notes:**
- Restriction: M1 OT and Architecture students only

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### OCC1 626

**Credit Weight:** 3

**Transcript Title:** Mental Health: Child and Youth

**Calendar Title:** Mental Health: Child and Youth.

**Description:**
Orientation to children and adolescents with psychiatric disorders as well as evaluation and remediation techniques.

**Notes:**
Prerequisites: OCC1 551, OCC1 618
Restriction: M1 OT students only
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
OCCH 600
Credit Weight: 0
Transcript Title: Master's Integrative Exam
Calendar Title: Master's Integrative Exam.
Description:
An examination that must be passed by all Master's candidates in order to continue in the program.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 602
Credit Weight: 3
Transcript Title: Occupational Health Practice
Calendar Title: Occupational Health Practice.
Description:
This course analyzes the functions, structure and organization of occupational health programs and services.
Symbols: LIMT - Limited enrolment
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 603
Credit Weight: 3
Transcript Title: Work&Environment Epid 1
Calendar Title: Work and Environment Epidemiology 1.
Description:
This course provides students with basic knowledge of epidemiology and statistics as applied to occupational health.
Symbols: LIMT - Limited enrolment
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 604
Credit Weight: 3
Transcript Title: Monitoring Occupational Envnmt
Calendar Title: Monitoring Occupational Environment.
Description:
Principles and practices of environmental and biological monitoring of workplace hazards are addressed. Familiarization with instrumentation and calibration procedures is undertaken. Students learn to identify workplace health hazards, develop effective sampling strategies, use industrial hygiene equipment and interpret results of exposure measurements.
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 605
Credit Weight: 6
Transcript Title: Physical Health Hazards
Calendar Title: Physical Health Hazards.
Description:
Properties, mechanisms of action and health effects of physical agents in the workplace and in the general environment: electromagnetic risks, noise and
vibration, ionizing radiation, ventilation and thermal environment. Administrative, engineering and medical control methods, exposure standards and safety measures for these agents.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health  
**Status (catalog level):** Active

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**OCCH 605D1**  
**Credit Weight:** 3  
**Transcript Title:** Physical Health Hazards  
**Calendar Title:** Physical Health Hazards.  
**Description:**  
Course covers hearing conservation, health effects of electromagnetism, ionizing radiation safety and ventilation controls. For each of these agents, properties, mechanisms of actions, health effects, engineering control methods, exposure standards and safety measures are studied. Ventilation strategies for industry are also covered.  
**Notes:**  
Students must register for both OCCH 605D1 and OCCH 605D2  
No credit will be given for this course unless both OCCH 605D1 and OCCH 605D2 are successfully completed in consecutive terms  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health  
**Status (catalog level):** Active

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**OCCH 605D2**  
**Credit Weight:** 3  
**Transcript Title:** Physical Health Hazards  
**Calendar Title:** Physical Health Hazards.  
**Description:**  
See OCCH 605D1 for course description.  
**Notes:**  
Prerequisite: OCCH 605D1  
No credit will be given for this course unless both OCCH 605D1 and OCCH 605D2 are successfully completed in consecutive terms  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health  
**Status (catalog level):** Active

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**OCCH 608**  
**Credit Weight:** 3  
**Transcript Title:** Biological Hazards  
**Calendar Title:** Biological Hazards.  
**Description:**  
Biological hazards and infectious diseases susceptible of being acquired at work and the several preventive and protective measures to be put in place, including airborne, foodborne, vectorborne infectious diseases, bioterrorism, and mold.  
**Symbols:** LIMT - Limited enrolment  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health  
**Status (catalog level):** Active

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**OCCH 612**  
**Credit Weight:** 3  
**Transcript Title:** Principles of Toxicology  
**Calendar Title:** Principles of Toxicology.  
**Description:**
General principles of toxicology, routes of toxicant entry, human organs as targets of toxic action, adverse effects, time-course of reactions to toxicants. Risk assessment techniques, in vivo-in vitro toxicity models, links between human population observations and animal, cellular and biochemical models.

Symbols: LIMT - Limited enrolment
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 615
Credit Weight: 3
Transcript Title: Occupational Safety Practice
Calendar Title: Occupational Safety Practice.
Description: Principles of safety and loss prevention; incident investigations and analyses, occupational safety management tools; loss recognition; safety standards, guidelines and legislation. Selected topics include: fire prevention; workshop, tool and machine safety; fall protection; laboratory safety; confined space entry; safe work permit systems; and materials handling.
Symbols: LIMT - Limited enrolment
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 616
Credit Weight: 3
Transcript Title: Occupational Hygiene
Calendar Title: Occupational Hygiene.
Description: An introduction to the principles and practices of industrial hygiene designed to provide the students with the knowledge required to identify health and safety hazards in the workplace.
Symbols: LIMT - Limited enrolment
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 617
Credit Weight: 3
Transcript Title: Occupational Diseases
Calendar Title: Occupational Diseases.
Description: Review of occupational health problems structured around target organs: respiratory, musculo-skeletal, skin, cardiovascular, mental disorders and aggressive agents: trauma, physical agents, solvents and metals and infectious agents. Also covered are occupational cancer, conditions associated with hypo-and hyperbaric environments, mutagenicity, teratogenicity and reproduction disorders, pre-employment, period examination and medical activities in the workplace.
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 624
Credit Weight: 3
Transcript Title: Soc&Behav Aspects-Occ Health
Calendar Title: Social and Behavioural Aspects - Occupational Health.
Description:
This course explores the social science of occupational health practice, and describes influences on that practice of recent political, social and economic changes in the workforce and at the workplace; the theory of health promotion; management skills; and evaluation methods.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 625
Credit Weight: 3
Transcript Title: Work & Environment Epid 2
Calendar Title: Work and Environment Epidemiology 2.
Description:
Combined with OCCH 608 to prepare students to evaluate the relations between exposure to workplace contaminants and health. The course involves the multidisciplinary analysis of four problems: Work-related cancer; Musculo-skeletal problems; Biological hazards; Chemical intoxication.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 626
Credit Weight: 3
Transcript Title: Basics: Physical Health Hazards
Calendar Title: Basics: Physical Health Hazards.
Description:
Basics of hearing conservation, health effects of electromagnetism, ionizing radiation safety and ventilation controls. For each of these agents, basic properties, mechanisms of action, health effects, engineering control methods, exposure standards and safety measures are studied. Basic ventilation strategies for industry are also covered.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 627
Credit Weight: 3
Transcript Title: Work Physiology & Ergonomics
Calendar Title: Work Physiology and Ergonomics.
Description:
Provide students with basic knowledge of physiological and psychological work requirements, ergonomic approach to work-related health problems and application of this type of approach to preventive and corrective measures.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 630
Credit Weight: 3
Transcript Title: Occupational Diseases for OHNS
Calendar Title: Occupational Diseases for OHNS.
Description:
Designed to meet independent and specific needs of occupational health nurses, it examines potential pathologies in the workplace, and subsequent disease outcomes. Focus is on an evidence-based approach to assessment, nursing diagnosis,
appropriate interventions in the identification, management of occupational
diseases. Worker screening strategies and disease prevention activities are
introduced.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health

Status (catalog level): Active

OCCH 635  
Credit Weight: 3  
**Transcript Title:** Environmental Risks to Health  
**Calendar Title:** Environmental Risks to Health.

**Description:**  
Focuses on pathways of exposure from industry to non working populations, on
measurement of exposure and observation of effects, modelling and prediction of
effects. Identifying, assessing and adapting existing data to predict effects
given new exposures is a major theme. Spatial analysis, risk communication and
disaster response are covered, too.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health

Status (catalog level): Active

OCCH 699  
Credit Weight: 15  
**Transcript Title:** Project Occup Health & Safety  
**Calendar Title:** Project Occupational Health and Safety.

**Description:**  
Under supervision, the student will identify an issue relevant to occupational
health and report on work accomplished (i) to review the present state of
knowledge and (ii) to conduct a survey and make recommendations or to devise a
study proposal and to carry out a preliminary feasibility study.

**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health

Status (catalog level): Active

OCCH 699D1  
Credit Weight: 7.5  
**Transcript Title:** Project Occup Health & Safety  
**Calendar Title:** Project Occupational Health and Safety.

**Description:**  
Under supervision, the student will identify an issue relevant to occupational
health and report on work accomplished (i) to review the present state of
knowledge and (ii) to conduct a survey and make recommendations or to devise a
study proposal and to carry out a preliminary feasibility study.

**Notes:**  
Students must register for both OCCH 699D1 and OCCH 699D2
No credit will be given for this course unless both OCCH 699D1 and OCCH 699D2 are
successfully completed in consecutive terms  
OCCH 699D1 and OCCH 699D2 together are equivalent to OCCH 699

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Occupational Health

Status (catalog level): Active

OCCH 699D2  
Credit Weight: 7.5  
**Transcript Title:** Project Occup Health & Safety  
**Calendar Title:** Project Occupational Health and Safety.
Description:
See OCCH 699D1 for course description.

Notes:
Prerequisite: OCCH 699D1
No credit will be given for this course unless both OCCH 699D1 and OCCH 699D2 are successfully completed in consecutive terms.
OCCH 699D1 and OCCH 699D2 together are equivalent to OCCH 699.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 699N1
Credit Weight: 7.5
Transcript Title: Project Occup Health & Safety
Calendar Title: Project Occupational Health and Safety.
Description:
Under supervision, the student will identify an issue relevant to occupational health and report on work accomplished (i) to review the present state of knowledge and (ii) to conduct a survey and make recommendations or to devise a study proposal and to carry out a preliminary feasibility study.

Notes:
Students must also register for OCCH 699N2
No credit will be given for this course unless both OCCH 699N1 and OCCH 699N2 are successfully completed in a twelve month period.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 699N2
Credit Weight: 7.5
Transcript Title: Project Occup Health & Safety
Calendar Title: Project Occupational Health and Safety.
Description:
See OCCH 699N1 for description.

Notes:
Prerequisite: OCCH 699N1
No credit will be given for this course unless both OCCH 699N1 and OCCH 699N2 are successfully completed in a twelve month period.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 700
Credit Weight: 0
Transcript Title: PhD Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the program.

Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active

OCCH 706
Credit Weight: 2
Transcript Title: Ph.D Sem.on Occ.Health&Hygiene
Calendar Title: Ph.D. Seminar on Occupational Health and Hygiene.
Description:
A critical appraisal of the occupational health sciences literature which addresses issues in hygiene, safety, epidemiology and toxicology. Students will develop a critical sense of the literature and increase their understanding of different research paradigms.
Administering Faculty: Graduate Studies
Teaching Department: Occupational Health
Status (catalog level): Active
ONCO 610D1
Credit Weight: 3
Transcript Title: Fundamentals of Oncology and Cancer Research.
Calendar Title: Fundamentals of Oncology and Cancer Research.
Description:
A multidisciplinary approach to the entire spectrum of principles and practice in all fields of oncology, as well as to its research domains, from basic science to clinical and population health sciences. Content areas will include mechanisms of carcinogenesis, tumour pathology, cancer epidemiology, prevention, screening, diagnosis, treatment, psychosocial support, palliative care, global cancer control, and quality of cancer care services. The multidisciplinary nature of cancer research and clinical care and how research findings inform clinical practice and policymaking in cancer control will be illustrated.
Notes:
Restriction: Open to all graduate students in the Faculty of Medicine and Health Sciences, however priority will be given to those enrolled in the Graduate Diploma in Oncology program.
English is the language of instruction but students may present in either of the official languages.
Students must register for both ONCO 610D1 and ONCO 610D2
No credit will be given for this course unless both ONCO 610D1 and ONCO 610D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Gerald Bronfman Dept Oncology
Status (catalog level): Active

ONCO 610D2
Credit Weight: 3
Transcript Title: Fundamentals of Oncology and Cancer Research.
Calendar Title: Fundamentals of Oncology and Cancer Research.
Description:
For description see ONCO 610D1.
Notes:
Prerequisite: ONCO 610D1
No credit will be given for this course unless both ONCO 610D1 and ONCO 610D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Gerald Bronfman Dept Oncology
Status (catalog level): Active

ONCO 611
Credit Weight: 3
Transcript Title: Proteomics for Precision Med.
Calendar Title: Proteomics for Precision Medicine.
Description:
Proteomic applications in medicine, including an introduction to mass spectrometry and related state-of-the-art proteomics techniques, and how these techniques can be used to answer important medical questions using clinical samples. The determination of levels and post-translational modifications of diagnostic/prognostic protein markers, the concentration of protein therapeutics in plasma, the simultaneous imaging of multiple proteins on tissue slices by MALDI-MS, and global proteome and phosphoproteome analyses to study signaling pathways. Additionally, strategies for data analysis and data interpretation using modern bioinformatic tools.
Administering Faculty: Graduate Studies
Teaching Department: Gerald Bronfman Dept Oncology
Status (catalog level): Active
ONCO 615
Credit Weight: 3
Transcript Title: Princ&Prac of Clinical Trials
Calendar Title: Principles and Practice of Clinical Trials.
Description:
An overview of the design, conduct and analysis of clinical trials. Topics include types of clinical trials, study designs, practical considerations when setting up a clinical trial, ethics, regulatory requirements, trial monitoring, data management, investigator responsibilities and statistical analysis.
Notes:
Restriction: Open to students who have an undergraduate degree or professional designation in fields related to health or biomedical disciplines. In the absence of the latter, the instructor's permission is required. Priority will be given to students enrolled in the Graduate Diploma in Oncology program.
English is the language of instruction but students may present in either of the official languages.
Administering Faculty: Graduate Studies
Teaching Department: Gerald Bronfman Dept Oncology
Status (catalog level): Active

ONCO 620
Credit Weight: 3
Transcript Title: Best Practices: Biomed Resrch
Calendar Title: Best Practices in Biomedical Research.
Description:
Overview of research ethics as well as best practices and guiding principles in planning, conducting and publishing a research investigation. Topics include (i) ethics in biomedical research, (ii) reading and reviewing papers, (iii) research integrity and (iv) scholarly publishing. Examples will be taken from the field of cancer research. The importance of interdisciplinary collaboration in enhancing the value of biomedical research will be illustrated.
Notes:
Restrictions: Open to all graduate students in the Faculty of Medicine and Health Sciences but priority will be given to those enrolled in the Graduate Diploma in Oncology program.
English is the language of instruction but students may present in either of the official languages.
Administering Faculty: Graduate Studies
Teaching Department: Gerald Bronfman Dept Oncology
Status (catalog level): Active

ONCO 625
Credit Weight: 3
Transcript Title: Quality Imprvmnt Princ&Mthds
Calendar Title: Quality Improvement Principles and Methods.
Description:
Principles and methodology of quality improvement in the delivery of health services with a focus on clinical care in oncology. Topics include developing and conducting quality improvement initiatives, data collection, data analysis and implementation of change in clinical practice.
Notes:
Restrictions: Open to those in health services research or practice who are involved with healthcare administration and management, however, priority will be given to those enrolled in the Graduate Diploma in Oncology program.
English is the language of instruction but students may present in either of the
official languages.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Gerald Bronfman Dept Oncology

**Status (catalog level):** Active

**ONCO 630**

**Credit Weight:** 3

**Transcript Title:** Oncology Practicum

**Calendar Title:** Oncology Practicum.

**Description:**
Involvement in a real-world research or quality improvement project with relevance to the student's chosen area of focus.

**Notes:**
Corequisites: ONCO 610, ONCO 620
Restrictions: Open only to students in the Graduate Diploma in Oncology program. English is the language of instruction but students may write their paper/present in either of the official languages.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Gerald Bronfman Dept Oncology

**Status (catalog level):** Active

**ONCO 635**

**Credit Weight:** 3

**Transcript Title:** Qual&Psychosocial Health Res

**Calendar Title:** Qualitative and Psychosocial Health Research.

**Description:**
An overview of the theoretical, methodological and analytical skillsets required to design, conduct and analyze qualitative health research studies, with emphasis on psychosocial oncology and palliative care research.

**Notes:**
Restrictions: Only open to graduate students in the Gerald Bronfman Department of Oncology.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Gerald Bronfman Dept Oncology

**Status (catalog level):** Active

**ONCO 645**

**Credit Weight:** 3

**Transcript Title:** Seminars in Global Oncology

**Calendar Title:** Seminars in Global Oncology.

**Description:**
Identification of the challenges and strategies for addressing cancer prevention, diagnosis and care, as well as cancer research and education from an international perspective.

**Notes:**
Restrictions: Open to students in the Graduate Diploma in Oncology. It is also open to graduate students in the Faculty of Medicine and Health Sciences; however, permission from the instructor is required for the latter students. English is the language of instruction but students may present in either of the official languages.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Gerald Bronfman Dept Oncology

**Status (catalog level):** Active
OPTH 300
Credit Weight: 1
Transcript Title: Ophthalmology - TCP
Calendar Title: TCP Ophthalmology.
Description:
This one-week course will teach the basics of ophthalmology through lectures and clinical encounters, with focus on the following topics: acute and chronic visual loss, trauma to the eye, the red eye and eye manifestations of systemic diseases (e.g. hypertension, diabetes). Students will learn basic eye exam skills, including how to assess visual acuity and use an ophthalmoscope and slit lamp.
Notes:
Restriction(s): Open only to students in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Ophthalmology
Status (catalog level): Active
ORGB 321
Credit Weight: 3
Transcript Title: Leadership
Calendar Title: Leadership.
Description:
Leadership theories provide students with opportunities to assess and work on improving their leadership skills. Topics include: the ability to know oneself as a leader, to formulate a vision, to have the courage to lead, to lead creatively, and to lead effectively with others.
Notes:
Prerequisite: MGCR 222 or permission of Instructor and approval of the BCom Program Office.
Restrictions: Restricted to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 325
Credit Weight: 3
Transcript Title: Negotiations and Conflict Res.
Calendar Title: Negotiations and Conflict Resolution.
Description:
A conceptual framework to guide participants through negotiation and conflict resolution process.
Notes:
Prerequisites: MGCR 222
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 330
Credit Weight: 3
Transcript Title: People Analytics
Calendar Title: People Analytics.
Description:
This is the era of big data. Companies and organizations are collecting an enormous amount of information and we are only just beginning to grasp the ways in which this information might be used. This course covers the emerging field of people analytics, which involves applying data collection and analysis techniques to improve the management of people within organizations. We will cover current people analytics techniques, common pitfalls, and possible shortcomings of people analytics, as well as the ethical questions involved in undertaking such analyses.
Notes:
Prerequisite(s): MGCR 271 or an equivalent introductory statistics class, and MGCR 222.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 380
Credit Weight: 3
Transcript Title: Cross Cultural Management
Calendar Title: Cross Cultural Management.
Description:
Addresses dilemmas and opportunities that managers experience in international, multicultural environments. Development of conceptual knowledge and behavioural skills (e.g. bridging skills, communication, tolerance of ambiguity, cognitive
complexity) relevant to the interaction of different cultures in business and organizational settings, using several methods including research, case studies and experiential learning.

Notes:
Restriction: Open to U2, U3 students only
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 401
Credit Weight: 3
Transcript Title: Leadership Practicum: Soc Sect
Calendar Title: Leadership Practicum in Social Sector.
Description:
Students apply a wealth of OB concepts and leadership strategies by spending the equivalent of one full day (8 hours) per week at an organization within Montreal’s social sector. Course material will supplement field experiences. The Practicum complements ORGB 321, which offers a more comprehensive survey of leadership theory.

Notes:
Restrictions: Only open to U2 and U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 409
Credit Weight: 3
Transcript Title: Organizational Res Methods
Calendar Title: Organizational Research Methods.
Description:
Field research in organizational behaviour.

Notes:
Prerequisite: MGCR 222
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 420
Credit Weight: 3
Transcript Title: Managing Organizational Teams
Calendar Title: Managing Organizational Teams.
Description:
Theory, research, and applications. Principles of team processes and effectiveness in organizational settings, specifically the theoretical developments and empirical findings of group dynamics and team effectiveness, and practical strategies and skills for successful management of organizational teams.

Notes:
Prerequisite: MGCR 222
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 421
Credit Weight: 3
Transcript Title: Managing Organizational Change
Calendar Title: Managing Organizational Change.
Description:
Organizational change theory and techniques are examined with an emphasis on techno-structural interventions such as Quality-of-Work-Life approaches. Through simulations and case-studies, the course explores initiatives in organizational change, primarily in contemporary Canadian organizations. It also includes opportunities for "hands-on" experience in work and organization redesign.

Notes:
Prerequisite: MGCR 222
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 423
Credit Weight: 3
Transcript Title: Human Resources Management
Calendar Title: Human Resources Management.
Description:
Issues involved in personnel administration. Topics include: human resource planning, job analysis, recruitment and selection, training and development, performance appraisal, organization development and change, issues in compensation and benefits, and labour-management relations.

Notes:
Prerequisite: MGCR 222
Requirement for the Institute of Internal Auditors
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 434
Credit Weight: 3
Transcript Title: Topics in OB 1
Calendar Title: Topics in Organizational Behaviour 1.
Description:
This is an advanced course for students with a special interest in Organizational Behaviour. Topics will be selected from current issues or themes in literature.

Notes:
Prerequisite: MGCR 222
A non-refundable fee of $1796.20 contributes to the expenses for this course.
This 3-week field course involves a week of classes, meetings, and site visits in the Montreal area, and 2 weeks of classes, meetings, and site visits in Israel. The fee is the students' contribution to the course costs, which include student round-trip air travel to Tel Aviv, hotels, course-related ground transportation, and course-related entrance fees to sites, and selected meals

Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 440
Credit Weight: 3
Transcript Title: Career Theory and Development
Calendar Title: Career Theory and Development.
Description:
Includes state of the art theory and research on careers and opportunity for exploration and development of personal career goals and dreams. Analytical and practical skills are honed through the study of careers of "real life" individuals as presented in films, panels of guest speakers, and interview assignments.

Notes:
Prerequisite: MGCR 222
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 525
Credit Weight: 3
Transcript Title: Compensation Management
Calendar Title: Compensation Management.
Description: Compensation policies and practices, consistent with motivational theories, are examined. Topics include: design and evaluation of job evaluation systems, salary structures, and performance-based pay; compensation of special employee groups; and current pay equity laws. Projects and simulations provide "hands-on" experience in the use of compensation techniques.
Notes:
Prerequisite (Undergraduate): ORGB 423
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

ORGB 625
Credit Weight: 3
Transcript Title: Managing Organizational Change
Calendar Title: Managing Organizational Change.
Description: Examine strategies of organizational development (OD) that enhance the organization's capacity to respond to change, maximize productivity and allow employees to experience dignity and meaning in their work. Explores the strategic, techno-structural, human process, and human resource management types of OD interventions. In addition, the course will provide opportunities for the practice of various OD skills (process consultation, feedback, observation) which enable managers to identify dysfunctional policies or behaviours. The fundamental theoretical framework of the course will draw upon developments in the behavioural and socio-technical systems approaches to organizational change.
Notes:
**This course will be held on June 20, 21, 27, 28, July 4, 5 and there is a paper due on July 13, 2020.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 632
Credit Weight: 3
Transcript Title: Mng Teams in Organizations
Calendar Title: Managing Teams in Organizations.
Description: The dynamics of group and interpersonal behaviour. As well as learning conceptual frameworks, participants will examine their own interpersonal style and behaviour in group processes.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
**ORGB 633**

**Credit Weight:** 3  
**Transcript Title:** Managerial Negotiations  
**Calendar Title:** Managerial Negotiations.  

**Description:**  
Negotiating is a critical managerial skill. The purpose of this course is to allow students to learn to be more effective negotiators. The class environment used to accomplish this goal includes many exercises, personality inventories, and cases. The focus of the course will be on the processes of bargaining and the emphasis is "hands on" learning, although theories of negotiation and research examining negotiation will also be covered. Each student will have a great deal of control over how much he or she will develop into a better negotiator as a result of participating in this course.  

**Notes:**  
**Although this course follows a Tuesday/Thursday lecture pattern, there will be one class held on Wednesday, June 14, 2017.**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

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**ORGB 634**

**Credit Weight:** 3  
**Transcript Title:** Career Development  
**Calendar Title:** Career Development.  

**Description:**  
The broad objective of this course is to increase students' understanding of the phenomenon of careers, in the business world as well as other spheres. Students will be exposed to "state of the art" theory and research on careers, and will then be expected to examine the usefulness and relevance of current theory by analyzing the careers of "real life" individuals, from novels, films, biographies, and case histories. The course will focus on the evolution of careers over time, and will consider in-depth the many factors which influence (and are influenced by) career development, including such things as individual characteristics and background: age and family, status; occupational, job, and organizational characteristics etc. Career development will be considered both from the perspective of the individual and the organization.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active

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**ORGB 635**

**Credit Weight:** 3  
**Transcript Title:** Adv Managerial Negotiations  
**Calendar Title:** Advanced Managerial Negotiations.  

**Description:**  
This course explores in greater depth the negotiation concepts developed in ORGB 633. It also looks at other aspects and topics that impact negotiation, such as communication, culture and cognitive processes. Participants will explore the challenges they face to effectively incorporate these skills into their personal and professional lives.  

**Notes:**  
Prerequisite: ORGB 633.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Management  
**Status (catalog level):** Active
ORGB 640
Credit Weight: 3
Transcript Title: The Art of Leadership
Calendar Title: The Art of Leadership.
Description:
Influence of personality, situational and cultural factors on strategic decision making. The role of power and political behaviour in organizational life. Topics include: managerial style, superior-subordinate relationships, organizational stress, entrepreneurial behaviour patterns, power and politics in decision making.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 643
Credit Weight: 2
Transcript Title: Leading & Managing People: Healthcare
Calendar Title: Leading and Managing People in Healthcare.
Description:
Applying leadership and management, human decision-making, human motivation, teams and conflict, persuasion, influence, and inter-dependence, power and politics, learning in teams and organizations, and leading change to healthcare organizations and healthcare professionals.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 643D1
Credit Weight: 1
Transcript Title: Leading & Managing People: Healthcare
Calendar Title: Leading and Managing People in Healthcare.
Description:
Applying leadership and management, human decision-making, human motivation, teams and conflict, persuasion, influence, and inter-dependence, power and politics, learning in teams and organizations, and leading change to healthcare organizations and healthcare professionals.
Notes:
Students must register for both ORGB 643D1 and ORGB 643D2
No credit will be given for this course unless both ORGB 643D1 and ORGB 643D2 are successfully completed in consecutive terms
ORGB 643D1 and ORGB 643D2 together are equivalent to ORGB 643
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 643D2
Credit Weight: 1
Transcript Title: Leading & Managing People: Healthcare
Calendar Title: Leading and Managing People in Healthcare.
Description:
For rationale see ORGB 643D1.
Notes:
Prerequisite: ORGB 643D1
No credit will be given for this course unless both ORGB 643D1 and ORGB 643D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 644
Credit Weight: 2
Transcript Title: Managerial Negotiations in Healthcare
Calendar Title: Managerial Negotiations in Healthcare.
Description: Fundamentals of negotiation and dispute resolution in order to better understand the dynamics that lead to successful negotiation outcomes in healthcare settings: distributive negotiations, integrative negotiations, ethics, salary and contract negotiations, cross cultural negotiations, gender and negotiations, interests, rights, and power, online and third party negotiations.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 644D1
Credit Weight: 1
Transcript Title: Managerial Negotiations in Healthcare
Calendar Title: Managerial Negotiations in Healthcare.
Description: Fundamentals of negotiation and dispute resolution in order to better understand the dynamics that lead to successful negotiation outcomes in healthcare settings: distributive negotiations, integrative negotiations, ethics, salary and contract negotiations, cross cultural negotiations, gender and negotiations, interests, rights, and power, online and third party negotiations.
Notes: Students must register for both ORGB 644D1 and ORGB 644D2
No credit will be given for this course unless both ORGB 644D1 and ORGB 644D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 644D2
Credit Weight: 1
Transcript Title: Managerial Negotiations in Healthcare
Calendar Title: Managerial Negotiations in Healthcare.
Description: For description see ORGB 644D1.
Notes: Prerequisite: ORGB 644D1
No credit will be given for this course unless both ORGB 644D1 and ORGB 644D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 660
Credit Weight: 1.5
Transcript Title: Managing Data Analytics Teams
Calendar Title: Managing Data Analytics Teams.
Description: In this course, students will learn to: understand barriers to effective work in teams or more broadly in organizations; develop a collaboration style and
learn about themselves as team members and leaders; what are their strengths, what can they improve on; learn how to jointly develop a vision and superordinate goal; develop skills in team communication, using the ‘power of framing’; build effective working relationships with diverse individuals and groups; become familiar with common organizational functional areas, their analytics perspectives, and their role in cross-functional teams.

**Notes:**

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.**

**No web drop allowed.**

**Web withdrawal not applicable.**

**Web ADD only.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**ORGB 661**

**Credit Weight:** 1.5

**Transcript Title:** Ethical Ldrshp & Leading Change

**Calendar Title:** Ethical Leadership and Leading Change.

**Description:**

Students will learn to: excel in the practice of distributed and shared leadership, critical to contemporary business; develop a collaboration style and learn about themselves as leaders; their strengths, areas for improvement; learn how to jointly develop a vision and superordinate goal; establish guidelines, protocols, and criteria for leading change and for the respectful and ethical collection, storage, and use of data derived from others; develop their capacity to lead across hierarchical levels, including ‘leading upwards’; understand how leadership is necessary for resolving ‘wicked problems’ (problems that require leadership, not management).

**Notes:**

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.**

**No web drop allowed.**

**Web withdrawal not applicable.**

**Web ADD only.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

**ORGB 671**

**Credit Weight:** 1.5

**Transcript Title:** Talent Analytics

**Calendar Title:** Talent Analytics.

**Description:**

Learning objectives: to gain experience in collecting and integrating performance and personnel outcome data; to develop and practice skills needed to analyze these types data; to cultivate knowledge and an understanding of the potential and limitations of talent analytics; to become able to apply the skills and knowledge from class to future organizational settings.

**Notes:**

**Prerequisite:** (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Course Add is the second lecture day.**

**During the last week, there will be a make-up class on Thursday, May 28th.**

**Web ADD only.**
**No Web Drop.**

*Web withdrawal not applicable.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**ORGB 672**

**Credit Weight:** 1.5

**Transcript Title:** Org Network Analysis

**Calendar Title:** Organizational Network Analysis.

**Description:**
Learning objectives: to gain experience in collecting and representing organizational network data; to develop and practice the skills needed to analyze network data; to cultivate knowledge and understanding of how social networks are related to consequential organizational outcomes; to become able to apply the skills and knowledge from class to future organizational settings.

**Notes:**
Prerequisite: (INSY 660 OR INSY 662 OR Instructor's approval) AND (MGSC 660 OR MGSC 661 OR Instructor's approval)

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**ORGB 680**

**Credit Weight:** 3

**Transcript Title:** Talent Mgmt in a Global World

**Calendar Title:** Talent Management in a Global World.

**Description:**
Effectively managing talent in the context of increasing globalization.

**Notes:**
Restriction(s): Not open to students who have taken BUSA 690 when topic was "Global Talent Management", "Talent Management", or "Managing Talent in a Global World".

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**ORGB 685**

**Credit Weight:** 3

**Transcript Title:** Cross Cultural Management

**Calendar Title:** Cross Cultural Management.

**Description:**
Cross-cultural awareness and communication skills necessary to manage in multicultural organizations. The focus of the course is on the relationship between cultural values and communication styles as they affect inter-and-intra cultural communication of managers, personnel and clients of multinational and multicultural corporations and organizations.

**Notes:**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Management

**Status (catalog level):** Active

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**ORGB 685D1**

**Credit Weight:** 1.5

**Transcript Title:** Cross Cultural Management

**Calendar Title:** Cross Cultural Management.
Description:
Cross-cultural awareness and communication skills necessary to manage in
multicultural organizations. The focus of the course is on the relationship
between cultural values and communication styles as they affect inter-and-intra
cultural communication of managers, personnel and clients of multinational and
multicultural corporations and organizations.

Notes:
Students must register for both ORGB 685D1 and ORGB 685D2
No credit will be given for this course unless both ORGB 685D1 and ORGB 685D2 are
successfully completed in consecutive terms
ORGB 685D1 and ORGB 685D2 together are equivalent to ORGB 685

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Seminar in Behavioural Science
Calendar Title: Seminar in Behavioural Science.
Description: Seminar in behavioural science issues.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 706
Credit Weight: 3
Transcript Title: Meso Organizational Behaviour
Calendar Title: Meso Organizational Behaviour.
Description: To familiarize students with the intra-organizational processes including theories, methods, and approaches that address social, political, and cultural action in organizations.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 707
Credit Weight: 3
Transcript Title: The Use and Abuse of Power
Calendar Title: The Use and Abuse of Power.
Description: Course will provide foundation knowledge on individual and group behavior, as well as institutional practices associated with the use and abuse of power. Will also include classic and contemporary theories, ongoing controversies, and ground breaking empirical studies.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

ORGB 708
Credit Weight: 3
Calendar Title: Social Network Analysis for Social Science Research.
Description: An introduction to social network analysis (SNA) methods for social science research. The particular analytical concerns when dealing with network data, the implications of different network data collection and analytical approaches and how network analysis may be useful in advancing students¿ individual research. Social network analysis techniques.
Notes: Students are expected to have experience with research design, statistical methods, and have a research project or dataset that would benefit from SNA.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
OTOL 602
Credit Weight: 3
Transcript Title: Physio Hist & Clinical Otol 1
Calendar Title: Physiology, Histopathology and Clinical Otolaryngology 1.
Description: University rounds, hospital rounds and seminars presenting various topics in clinical otolaryngology.
Notes: 6 hours/week
Administering Faculty: Graduate Studies
Teaching Department: Otolaryngology Head/Neck Surg.
Status (catalog level): Active

OTOL 603
Credit Weight: 3
Transcript Title: Adv Scientific Prin-Otol 1
Calendar Title: Advanced Scientific Principles - Otolaryngology 1.
Description: Advanced basic science topics of relevance to otolaryngology, aiming to develop clinician-scientist skills by linking basic science to otolaryngology.
Notes: 1.5 hours/week
Administering Faculty: Graduate Studies
Teaching Department: Otolaryngology Head/Neck Surg.
Status (catalog level): Active

OTOL 612
Credit Weight: 3
Transcript Title: Physio Hist & Clinical Otol 2
Calendar Title: Physiology, Histopathology and Clinical Otolaryngology 2.
Description: University rounds, hospital rounds and seminars presenting various additional topics in clinical otolaryngology.
Notes: 6 hours/week
Administering Faculty: Graduate Studies
Teaching Department: Otolaryngology Head/Neck Surg.
Status (catalog level): Active

OTOL 613
Credit Weight: 3
Transcript Title: Adv Scientific Prin-Otol 2
Calendar Title: Advanced Scientific Principles - Otolaryngology 2.
Description: Additional basic science topics of relevance to otolaryngology. Integration of course material is assessed by preparation of a manuscript for peer-reviewed publication.
Notes: 1.5 hours/week
Administering Faculty: Graduate Studies
Teaching Department: Otolaryngology Head/Neck Surg.
Status (catalog level): Active

OTOL 690
Credit Weight: 3
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description:
A literature search and research proposal under supervision of the research supervisor that leads to a written proposal.

Administering Faculty: Graduate Studies

Teaching Department: Otolaryngology Head/Neck Surg.

Status (catalog level): Active

OTOL 691
Credit Weight: 3
Transcript Title: M.Sc. Thesis 2
Calendar Title: M.Sc. Thesis 2.

Description:
Supervised training and research in connection with the Master's thesis.

Administering Faculty: Graduate Studies

Teaching Department: Otolaryngology Head/Neck Surg.

Status (catalog level): Active

OTOL 692
Credit Weight: 6
Transcript Title: M.Sc. Thesis 3
Calendar Title: M.Sc. Thesis 3.

Description:
Independent research in connection with the Master's thesis.

Administering Faculty: Graduate Studies

Teaching Department: Otolaryngology Head/Neck Surg.

Status (catalog level): Active

OTOL 693
Credit Weight: 6
Transcript Title: M.Sc. Thesis 4
Calendar Title: M.Sc. Thesis 4.

Description:
A seminar and written report to be presented to an ad hoc committee describing appropriate progress at the end of the first year of training.

Administering Faculty: Graduate Studies

Teaching Department: Otolaryngology Head/Neck Surg.

Status (catalog level): Active

OTOL 694
Credit Weight: 12
Transcript Title: M.Sc. Thesis 5
Calendar Title: M.Sc. Thesis 5.

Description:
Independent study in connection with the Master's thesis. Presentation of results at a departmental seminar, or at a scientific meeting. Completion and final acceptance of the M.Sc. Thesis by the Department and Graduate and Postdoctoral Studies.

Administering Faculty: Graduate Studies

Teaching Department: Otolaryngology Head/Neck Surg.

Status (catalog level): Active
PAED 301  
**Credit Weight:** 2  
**Transcript Title:** TCP Pediatrics  
**Calendar Title:** TCP Pediatrics.  
**Description:**  
This two-week course provides the student with basic principles of pediatric care including pediatric-specific history-taking and physical exam skills as well as approach to common pediatric problems. Through structured learning activities, clinical encounters and self-directed learning, students will develop knowledge and skills that will prepare them for Clerkship.  
**Notes:**  
Note: One half-day per week for a duration of seven weeks  
Restriction(s): Open only to students enrolled in the M.D., C.M. program.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Pediatrics  
**Status (catalog level):** Active

PAED 401  
**Credit Weight:** 6  
**Transcript Title:** Pediatrics Clerkship  
**Calendar Title:** Pediatrics Clerkship.  
**Description:**  
The course will cover aspects of growth, perinatology, morbidity-mortality in pediatrics, infections in children, and neurologic, physical and psychological development. The course will include participation in the medical assessment and management of children, supplemented by didactic teaching and self-directed learning.  
**Notes:**  
Restriction(s): Open only to students enrolled in the M.D., C.M. program.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Pediatrics  
**Status (catalog level):** Active

PAED 401D1  
**Credit Weight:** 3  
**Transcript Title:** Pediatrics Clerkship  
**Calendar Title:** Pediatrics Clerkship.  
**Description:**  
The course will cover aspects of growth, perinatology, morbidity-mortality in pediatrics, infections in children, and neurologic, physical and psychological development. The course will include participation in the medical assessment and management of children, supplemented by didactic teaching and self-directed learning.  
**Notes:**  
Students must register for both PAED 401D1 and PAED 401D2.  
No credit will be given for this course unless both PAED 401D1 and PAED 401D2 are successfully completed in consecutive terms  
PAED 401D1 and PAED 401D2 together are equivalent to PAED 401  
Restriction(s): Open only to students enrolled in the M.D., C.M. program.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Pediatrics  
**Status (catalog level):** Active

PAED 401D2  
**Credit Weight:** 3  
**Transcript Title:** Pediatrics Clerkship  
**Calendar Title:** Pediatrics Clerkship.
Description:
See PAED 401D1 for course description.

Notes:
Prerequisite: PAED 401D1
No credit will be given for this course unless both PAED 401D1 and PAED 401D2 are successfully completed in consecutive terms
PAED 401D1 and PAED 401D2 together are equivalent to PAED 401
Restriction(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Pediatrics
Status (catalog level): Active
PARA 410
Credit Weight: 3
Transcript Title: Environment and Infection
Calendar Title: Environment and Infection.
Description:
Infectious pathogens of humans and animals and their impact on the global environment are considered. The central tenet is that infectious pathogens are environmental risk factors. The course considers their impact on the human condition and juxtaposes the impact of control and treatment measures and environmental change.
Notes:
2 lectures per week
Prerequisite: one of LSCI 230, AEBI 211, ENVR 202, ENVB 305
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

PARA 424
Credit Weight: 3
Transcript Title: Fundamental Parasitology
Calendar Title: Fundamental Parasitology.
Description:
Systematics, morphology, biology and ecology of parasitic protozoa, flatworms, roundworms and arthropods with emphasis on economically and medically important species.
Notes:
Prerequisite(s): AEBI 211 or LSCI 230 or permission of instructor
Restriction: Not open to students who have taken WILD 424.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

PARA 438
Credit Weight: 3
Transcript Title: Immunology
Calendar Title: Immunology.
Description:
An in-depth analysis of the principles of cellular and molecular immunology. The emphasis of the course is on host defence against infection and on diseases caused by abnormal immune responses.
Notes:
3 lectures per week
Prerequisites: AEBI 202 or LSCI 202 or permission of instructor
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology
Status (catalog level): Active

PARA 515
Credit Weight: 3
Transcript Title: Water, Health and Sanitation
Calendar Title: Water, Health and Sanitation.
Description:
The origin and types of water contaminants including live organisms, infectious agents and chemicals of agricultural and industrial origins. Conventional and new technological developments to eliminate water pollutants. Comparisons of water, health and sanitation between industrialized and developing countries.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Parasitology  
Status (catalog level): Active

PARA 606  
Credit Weight: 2  
Transcript Title: Parasitology Seminar  
Calendar Title: Parasitology Seminar.  
Description:  
A seminar series in which students present seminars covering topics in parasitology, in areas relevant to their research interests. Students register for the course in their second term of residency. Attendance and participation are compulsory for M.Sc. students.  
Administering Faculty: Graduate Studies  
Teaching Department: Parasitology  
Status (catalog level): Active

PARA 607  
Credit Weight: 2  
Transcript Title: Parasitology Research Seminar  
Calendar Title: Parasitology Research Seminar.  
Description:  
This is a required course for M.Sc. students. A seminar course in which students registered at the Institute of Parasitology present seminars on the results of their thesis research. Students register for the course in the final term prior to thesis submission.  
Administering Faculty: Graduate Studies  
Teaching Department: Parasitology  
Status (catalog level): Active

PARA 635  
Credit Weight: 3  
Transcript Title: Cell Biology and Infection  
Calendar Title: Cell Biology and Infection.  
Description:  
Research articles will be the primary source of information. This course will cover new principles in cell biology. In particular, the mechanisms by which gene expression is regulated through signal transduction pathways initiated at the cell surface will be presented.  
Notes:  
Prerequisite: students with some background in molecular biology  
Administering Faculty: Graduate Studies  
Teaching Department: Parasitology  
Status (catalog level): Active

PARA 645  
Credit Weight: 3  
Transcript Title: Applied Parasitology  
Calendar Title: Applied Parasitology.  
Description:  
Molecular aspects of applied parasitology. Diagnostics, surveillance, and epidemiology of parasites and the areas of anti-parasitic drug and vaccine development.  
Notes:  
Prerequisite: 300-level undergraduate course in molecular biology, biochemistry or equivalent, or permission of instructor.  
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

PARA 655
Credit Weight: 3
Transcript Title: Host-Parasite Interactions
Calendar Title: Host-Parasite Interactions.
Description:
Lectures, tutorials and laboratory demonstrations of the principal factors which affect levels of parasite infection and treatment of infections in humans and animals. The integration and management of the host-parasite relationship in terms of transmission, population dynamics, environmental management, behaviour, immune responses, pathology, and pharmacology to decrease parasitic disease.
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

PARA 665
Credit Weight: 3
Transcript Title: Special Topics in Parasitology
Calendar Title: Special Topics in Parasitology.
Description:
This course designation will be used for special courses that staff, or visiting professors, may wish to provide when student interest warrants. Examples might include a laboratory techniques course, a mathematical modelling course or a special pharmacology seminar series.
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

PARA 678
Credit Weight: 3
Transcript Title: Microcirculation & Inflammation
Calendar Title: Microcirculation and Inflammation.
Description:
Study of the structure of the microcirculation of several organs and basic mechanisms involved in the leukocyte-endothelium interaction in inflammation.
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

PARA 687
Credit Weight: 11
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of the Thesis Supervisor.
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

PARA 688
Credit Weight: 11
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
Independent research work under the direction of the Thesis Supervisor.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Parasitology

**Status (catalog level):** Active

**PARA 689**

**Credit Weight:** 13

**Transcript Title:** Thesis Research 3

**Calendar Title:** Thesis Research 3.

**Description:**

Independent research work under the direction of the Thesis Supervisor.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Parasitology

**Status (catalog level):** Active

**PARA 690**

**Credit Weight:** 2

**Transcript Title:** Thesis Research 4

**Calendar Title:** Thesis Research 4.

**Description:**

Thesis research.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Parasitology

**Status (catalog level):** Active

**PARA 691**

**Credit Weight:** 6

**Transcript Title:** Thesis Research 5

**Calendar Title:** Thesis Research 5.

**Description:**

Thesis research.

**Notes:**

Restriction: Restricted to students registered in the M.Sc. in Parasitology, Environment option.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Parasitology

**Status (catalog level):** Active

**PARA 701**

**Credit Weight:** 0

**Transcript Title:** PhD Comprehensive Exam

**Calendar Title:** PhD Comprehensive Exam.

**Description:**

Consists of a written proposal outlining the research planned and an oral examination.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Parasitology

**Status (catalog level):** Active

**PARA 710**

**Credit Weight:** 2

**Transcript Title:** Parasitology Ph.D. Seminar 1

**Calendar Title:** Parasitology Ph.D. Seminar 1.

**Description:**

This first seminar is a review of the scientific literature in the topic area of the thesis research.
Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active

PARA 711
Credit Weight: 2
Transcript Title: Parasitology Ph.D. Seminar 2
Calendar Title: Parasitology Ph.D. Seminar 2.
Description:
A seminar series in which students present seminars covering topics in parasitology in areas relevant to their research interests. Attendance and participation are compulsory.

Administering Faculty: Graduate Studies
Teaching Department: Parasitology
Status (catalog level): Active
PATH 300
Credit Weight: 3
Transcript Title: Human Disease
Calendar Title: Human Disease.
Description:
Provides a fundamental understanding of the diseases prevalent in North America, for upper level students in the biological sciences. Includes: general responses of cells and organ systems to injury; assessment of individual diseases by relating the causes, symptoms, diagnosis, treatment and prevention to the primary biological abnormalities in each disorder.
Notes:
Winter
Prerequisites: BIOL 200, BIOL 201 or BIOC 212, PHGY 209. Pre-/co-requisite: PHGY 210
Administrating Faculty: Faculty of Science
Teaching Department: Pathology
Status (catalog level): Active

PATH 396
Credit Weight: 3
Transcript Title: Ugrad Research Project: Path
Calendar Title: Undergraduate Research Project in Pathology.
Description:
Independent research project with a final written report.
Notes:
Restriction: Student cannot be supervised by same instructor for two 396 Science courses.
Note: Enrollment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term that may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.
S/U option not permitted.
Prerequisite: Completion of at least one full undergraduate term with a CGPA of at least 3.0 plus permission of the instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Pathology
Status (catalog level): Active

PATH 504
Credit Weight: 3
Transcript Title: Disease in Depth
Calendar Title: Disease in Depth.
Description:
Mechanisms controlling the cellular life cycle in normal versus disease states such as cancer, infectious disease, cardiovascular, neurodegenerative, and immune disorders.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Pathology
Status (catalog level): Active

PATH 607
Credit Weight: 3
Transcript Title: Biochemical Pathology
Calendar Title: Biochemical Pathology.

Description:
Immunopathogenesis of Human Disease: Lectures and seminars on immune-regulatory mechanisms (cellular/molecular), maintaining the balance between protection and pathology; pathogenesis of major infectious diseases with bacterial, viral and parasitic involvement (e.g. tuberculosis, AIDS, malaria) and classical immune disorders (e.g. asthma).

Notes:
Restriction(s): Not open to students who have taken or are taking MIMM 607.

Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 613
Credit Weight: 3
Transcript Title: Research Topics in Pathology 1
Calendar Title: Research Topics in Pathology 1.

Description:
Review of research topics in pathology.

Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 614
Credit Weight: 3
Transcript Title: Research Topics in Pathology 2
Calendar Title: Research Topics in Pathology 2.

Description:
Review of research topics in pathology.

Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 620
Credit Weight: 3
Transcript Title: Research Seminar 1
Calendar Title: Research Seminar 1.

Description:
Seminar presentation to staff and students on the Master's research.

Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 622
Credit Weight: 3
Transcript Title: Research Seminar 2
Calendar Title: Research Seminar 2.

Description:
Seminar presentation to staff and students on the Master's research.

Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 652
Credit Weight: 3
Transcript Title: Molecular Biology of Disease
Calendar Title: Molecular Biology of Disease.
Description:
Lectures and seminars dealing with concepts and current techniques in molecular biology applied to the study of human diseases with emphasis on cancer.
Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 653
Credit Weight: 3
Transcript Title: Reading & Conference
Calendar Title: Reading and Conference.
Description:
Cytogenetics is the science and art of making and analyzing chromosome preparations. This course focuses on human chromosomes, although methodologies and principles apply broadly to other species as well. Basic facts and mysteries about chromosomes will be explained and discussed in the light of clinical examples.
Notes:
Offered in conjunction with the Department of Human Genetics.
Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 690
Credit Weight: 9
Transcript Title: M.Sc. Thesis Research Project 1
Calendar Title: M.Sc. Thesis Research Project 1.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 691
Credit Weight: 9
Transcript Title: M.Sc. Thesis Research Project 2
Calendar Title: M.Sc. Thesis Research Project 2.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 692
Credit Weight: 12
Transcript Title: M.Sc. Thesis Research Project 3
Calendar Title: M.Sc. Thesis Research Project 3.
Description:
Independent work under the general direction of a full-time staff member on research leading to a comprehensive report.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active

PATH 701
Credit Weight: 0
Transcript Title: Comp Exam-Ph.D. Candidates
Calendar Title: Comprehensive Examination - Ph.D. Candidates.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Pathology
Status (catalog level): Active
PDOC PDMF
Credit Weight: 0
Transcript Title: Wks Postdoc Med Fellowship
Calendar Title: Weeks Postdoctoral Medical Fellowship.
Administering Faculty: Post Graduate Medicine
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

PDOC PDOC
Credit Weight: 0
Transcript Title: Weeks Postdoctoral Research
Calendar Title: Weeks Postdoctoral Research.
Administering Faculty: Postdoctoral Fellows
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active
PHAR 200
Credit Weight: 1
Transcript Title: Introduction to Pharmacology 1
Calendar Title: Introduction to Pharmacology 1.
Description:
The objective of this course is to give U1 Pharmacology Major program students an appreciation of research in Pharmacology. The focus will be on contributions of this research to our understanding of how drugs work, strategies towards the discovery of new drugs, and/or on how use of current drugs may be improved based on this understanding.
Notes:
Restriction(s): Only open to students in the BSc. Major in Pharmacology.
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 201
Credit Weight: 1
Transcript Title: Introduction to Pharmacology 2
Calendar Title: Introduction to Pharmacology 2.
Description:
This course will be a continuation of PHAR 200, taught in the fall semester. The focus will be on contributions of this research to our understanding of how drugs work, strategies towards the discovery of new drugs, and/or on how use of current drugs may be improved based on this understanding.
Notes:
Prerequisite(s): PHAR 200
Restriction(s): Only open to students in the BSc. Major in Pharmacology.
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 300
Credit Weight: 3
Transcript Title: Drug Action
Calendar Title: Drug Action.
Description:
Principles of pharmacology and toxicology. Frequently encountered drugs will be used as a focus to illustrate sites and mechanisms of action, distribution, metabolism, elimination and adverse side effects.
Notes:
Fall
Prerequisites: BIOL 200, PHGY 209, PHGY 210 and one of BIOL 201 or ANAT/BIOC 212 or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 301
Credit Weight: 3
Transcript Title: Drugs and Disease
Calendar Title: Drugs and Disease.
Description:
This course further explores the basic principles of pharmacology as illustrated by drugs used in the treatment of disease. Emphasis is placed on drugs used for diseases prevalent in North America.
Notes:
Winter
Prerequisite: PHAR 300

Administrating Faculty: Faculty of Science

Teaching Department: Pharmacology and Therapeutics

Status (catalog level): Active

PHAR 303
Credit Weight: 3

Transcript Title: Principles of Toxicology
Calendar Title: Principles of Toxicology.

Description:
Fundamental mechanisms by which toxic compounds damage a biological system (organelle, cell, organ, organism, ecosystem). Detection and quantification of toxicity and risk/benefit analysis are considered. Selected agents of current risk to human health or the environment are evaluated in depth.

Notes:
Winter
Prerequisites: BIOL 200, BIOL 201 or BIOC 212, PHGY 209 and PHGY 210

Administrating Faculty: Faculty of Science

Teaching Department: Pharmacology and Therapeutics

Status (catalog level): Active

PHAR 390
Credit Weight: 3

Transcript Title: Laboratory in Pharmacology
Calendar Title: Laboratory in Pharmacology.

Description:
This course is a two-week all day practical laboratory course where students will have the opportunity to design their own experiments, write out the experimental lab reports and learn to trouble shoot on their own.

Notes:
Restriction(s): Restricted to Pharmacology Honours students, or permission of instructor.

Administrating Faculty: Faculty of Science

Teaching Department: Pharmacology and Therapeutics

Status (catalog level): Active

PHAR 396
Credit Weight: 3

Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.

Description:
Independent research project with a final written report and an oral presentation.

Notes:
Prerequisite(s): Completion of at least one undergraduate term with CGPA of 3.0.
Restriction(s): This course cannot be taken under the S/U option.
Restriction(s): Departmental permission required.
Restriction(s): Students cannot be supervised by the same instructor for two 396 Science courses.
Restriction(s): Open to students in programs offered by the Faculty of Science.
Note: Enrollment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See
https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 397
Credit Weight: 3
Transcript Title: Pharmacology Research Project 2
Calendar Title: Pharmacology Research Project 2.
Description: Research project to be carried out under supervision of a faculty member in the Department of Pharmacology and Therapeutics. Projects should address a testable hypothesis to be tested using the experimental tools available in the supervisor's lab and probably other facilities at McGill. Hands-on experience with contemporary research in pharmacology and related disciplines.
Notes: Prerequisite: Successful completion of PHAR 396, a CGPA of at least 3.0, and permission of the instructor.
Restrictions: Open to students in programs offered by the Faculty of Science with permission of the Course Coordinator. This course cannot be taken under the S/U option.
Departmental permission required.
1. Note: Enrollment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See "https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses" for more information regarding the application form and procedures. Expected time commitment: An equivalent of one day (8-10 hours) per week in the research supervisor's lab. Evaluation: 1) Research performance as assessed by the research supervisor (50%) 2) Written report summarizing the research conducted, to be evaluated by the course coordinator (50%
For students who have completed PHAR 396 and wish to pursue a research project for a second term.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 503
Credit Weight: 3
Transcript Title: Drug Discovery & Development 1
Calendar Title: Drug Discovery and Development 1.
Description: Chemistry, mechanisms of action, and steps in drug discovery and development.
Notes: Fall
Prerequisites: PHAR 301 or PHAR 303; or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 504
Credit Weight: 3
Transcript Title: Drug Discovery & Development 2
Calendar Title: Drug Discovery and Development 2.
Description:
Nobel Prize-winning discoveries as a basis for drug development.
Notes:
Winter
Prerequisites: PHAR 301 or PHAR 303; or permission of instructor
Restriction: U3 and graduate students. Students can register only with permission of coordinators.
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 505
Credit Weight: 3
Transcript Title: Structural Pharmacology
Calendar Title: Structural Pharmacology.
Description:
The course will cover approaches widely used in the pharmaceuticals industry, such as drug target selection, structure determination and medicinal chemistry. The basics of structural biology will be taught in a very visual and interactive manner, with an emphasis on drug:target interactions and chemical principles relevant to drug design. By the end of the course, the students will become familiar with the structure-based drug discovery process and principles of molecular pharmacology.
Notes:
Prerequisite(s): PHAR 301, BIOC 311 or with permission of instructor
Restriction(s): Not open to students who have taken or are taking PHAR 503.
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 508
Credit Weight: 3
Transcript Title: Drug Discovery and Develop. 3
Calendar Title: Drug Discovery and Development 3.
Description:
The design of biologically-relevant drug screens for molecular targets in a cell, tissue, and in vivo setting. Explore the use of stem cells and tissue-based disease models for the understanding of disease and for drug discovery. Situate modern pharmacology into broader medical and societal issues such as personalized medicine and the ethics associated with research.
Notes:
Prerequisite(s): PHAR 301 (PHAR 503 or PHAR 505 are also highly recommended)
Restriction(s): Open to U3 students in the minor, major or honours program in Pharmacology.
Not open to students who have taken PHAR 558.
Assessment modalities- in class presentations and discussion, take-home exams and writing exercises.
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 510
Credit Weight: 3
Transcript Title: New Adv: Antimicrobial Drugs
Calendar Title: New Advances in Antimicrobial.

Description:
Overview on bacteria, insights into bacterial pathogenesis, an understanding of antibiotics, and new developments in antibacterial to beat antibiotic resistance.

Notes:
Restrictions: Open to U3 students and above. Class capacity is first come first serve, after the first 15 students, the next 10 students priority will be given to MIMM and PHAR students. Not open to students who have taken or are taking MIMM 510.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 522D1
Credit Weight: 3
Transcript Title: Fundls of Disease Therapy
Calendar Title: Fundamentals of Disease Therapy.
Description:
Basic physiology and pathology, including a macro-level overview of normal physiology and pathophysiology of selected organs.

Notes:
Prerequisites: FMED 525 or permission of the instructor

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 522D2
Credit Weight: 3
Transcript Title: Fundls of Disease Therapy
Calendar Title: Fundamentals of Disease Therapy.
Description:
See course description in PHAR 522D1.

Notes:
Prerequisites: FMED 525 or permission of the instructor

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 524
Credit Weight: 3
Transcript Title: Clinical Mentorship
Calendar Title: Clinical Mentorship.
Description:
Interaction with clinicians and clinician scientists in the field of medicine and health sciences, focusing on understanding disease from their perspective.

Notes:
Prerequisites: FMED 525 or permission of the instructor

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 540
Credit Weight: 3
Transcript Title: Advances in Ind Biotech
Calendar Title: Advances in Industrial Biotechnology.
Description:
Introduction to emerging technologies and research advances in biotechnologies. Topics include semisynthetic production of drugs and drug candidates through large-scale fermentation, next generation synthesis of DNA and whole genes, green toxicology, single-molecule diagnostics, orphan-drug re-purposing, and next-generation genomic analyses in drug development. Translational research, issues of entrepreneurship, sustainability, and ethics are also covered.

Notes:
Prerequisite: CHEM 222 (or equivalent) and BIOL 200 or CHEM 332
Restriction: U3 Students or higher. Not open to students who have taken or are taking CHEM 540.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 562
Credit Weight: 3
Transcript Title: Neuropharmacology
Calendar Title: Neuropharmacology.
Description:
Topics in pharmacology with an emphasis on molecular mechanisms of drug-action and cellular targets in the nervous system.
Notes:
Fall
Prerequisite: PHAR 301 or with permission of instructor.
Restriction: Open to U3 students in the minor, major or honours program in Pharmacology, or with permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 563
Credit Weight: 3
Transcript Title: Endocrine Pharmacology
Calendar Title: Endocrine Pharmacology.
Description:
This advanced course covers selected topics in pharmacology of reproductive, endocrine, and metabolic disorders.
Notes:
Prerequisite: PHAR 301 or permission of the instructor(s)
Restriction: Open to U3 students in the minor, major or honours program in Pharmacology, or with permission of instructor.
Course material will be presented in the form of lectures and student-led presentations.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 565
Credit Weight: 3
Transcript Title: Epigenetic Drugs and Targets
Calendar Title: Epigenetic Drugs and Targets.
Description:
This course covers therapeutics targeting epigenetic mechanisms. Although only a handful of epigenetic drugs are in widespread use, further development of such agents is a very active area of research as it has the potential to directly target aberrant gene expression. This course will examine both the current use and
potential of epigenetic drugs in treatment of cancer, neurological diseases, immune disorders, and cardiovascular disease. The concept of epigenetics as mediating gene-environment interaction will also be discussed.

Notes:
Prerequisite(s): PHAR 301.
Restrictions: Not open to students who have taken or are taking HGEN 673.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 590
Credit Weight: 3
Transcript Title: Adv Res Methods in Pharma
Calendar Title: Advanced Research Methods in Pharmacology
Description: Investigation into the signaling, regulation and modulation of a large family of receptors of fundamental importance in pharmacology.

Notes:
Prerequisites: PHAR 390, or permission of the instructor.
Corequisites: PHAR 599 or PHAR 598, or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 598
Credit Weight: 6
Transcript Title: Honours Pharma Research Proj.
Calendar Title: Honours Pharmacology Research Project
Description:
Supervised Honours Research Project in Pharmacology. Students are expected to obtain hands-on research experience in their supervisor's laboratory. They are also required to submit a written report in the form of a scientific manuscript and present a ten minute seminar.

Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 598D1
Credit Weight: 3
Transcript Title: Honours Pharma Research Proj.
Calendar Title: Honours Pharmacology Research Project
Description:
Supervised Honours Research Project in Pharmacology. Students are expected to obtain hands-on research experience in their supervisor's laboratory. They are also required to submit a written report in the form of a scientific manuscript and present a ten minute seminar.

Notes:
Corequisite(s): PHAR 562 General Pharmacology 1
Corequisite(s): PHAR 563 General Pharmacology 2
Restriction(s): Only open to U3 students accepted in the BSc. Honours Pharmacology. Requires Departmental approval.
Students must register for both PHAR 598 D1 and PHAR 598 D2.
No credit will be given for this course unless both PHAR 598 D1 and PHAR 598 D2 are successfully completed in consecutive terms.
Minimum of 9 hours/week to be spent in the lab.
A statement of the proposed project and method of evaluation, signed by the student and supervisor, must be submitted to the departmental Director of
Undergraduate Studies for approval by the add/drop deadline of the semester in which the student registers for this course.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

**PHAR 598D2**  
**Credit Weight:** 3  
**Transcript Title:** Honours Pharma Research Proj.  
**Calendar Title:** Honours Pharmacology Research Project.  
**Description:** See PHAR 598D1 for course description.  
**Notes:**  
Prerequisite(s): PHAR 598D1  
Students must register for both PHAR 598 D1 and PHAR 598 D2.  
No credit will be given for this course unless both PHAR 598 D1 and PHAR 598 D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

**PHAR 599**  
**Credit Weight:** 6  
**Transcript Title:** Pharmacology Research Project  
**Calendar Title:** Pharmacology Research Project.  
**Description:** Mechanisms involved in different pathologies and drug actions.  
**Notes:**  
Minimum of 18 hours/week to be spent in the lab and/or library.  
Pre-/Co-requisite: PHAR 562 and PHAR 563.  
Restrictions: U3 students with permission of instructors; students should consult instructors 3 - 4 weeks before registration.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

**PHAR 599D1**  
**Credit Weight:** 3  
**Transcript Title:** Pharmacology Research Project  
**Calendar Title:** Pharmacology Research Project.  
**Description:** Mechanisms involved in different pathologies and drug actions.  
**Notes:**  
Fall  
Minimum of 9 hours/week to be spent in the lab and/or library.  
Pre-/Co-requisite: PHAR 562 and PHAR 563.  
Restriction: U3 students with permission of instructors; students should consult instructors 3 - 4 weeks before registration.  
Please see regulations concerning Project Courses.  
Students must register for both PHAR 599D1 and PHAR 599D2.  
No credit will be given for this course unless both PHAR 599D1 and PHAR 599D2 are successfully completed in consecutive terms  
PHAR 599D1 and PHAR 599D2 together are equivalent to PHAR 599

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active
PHAR 599D2
Credit Weight: 3
Transcript Title: Pharmacology Research Project
Calendar Title: Pharmacology Research Project.
Description:
See PHAR 599D1 for course description.
Notes:
Winter
Minimum of 9 hours per week to be spent in the lab and/or library.
Prerequisite: PHAR 599D1
No credit will be given for this course unless both PHAR 599D1 and PHAR 599D2 are successfully completed in consecutive terms.
PHAR 599D1 and PHAR 599D2 together are equivalent to PHAR 599
Administering Faculty: Faculty of Science
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 601
Credit Weight: 6
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
A research seminar must be presented by all M.Sc. students in the Department after completion of two semesters in the Department.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 601D1
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
A research seminar must be presented by all M.Sc. students in the Department after completion of two semesters in the Department.
Notes:
Students must register for both PHAR 601D1 and PHAR 601D2
No credit will be given for the spanned version of this course unless both PHAR 601D1/D2 are successfully completed in consecutive terms. This is a Pass/Fail course.
PHAR 601D1 and PHAR 601D2 together are equivalent to PHAR 601
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 601D2
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description:
A research seminar must be presented by all M.Sc. students in the Department after completion of two semesters in the Department.
Notes:
Prerequisite: PHAR 601D1
No credit will be given for the spanned version of this course unless both PHAR
601D1/D2 are successfully completed in consecutive terms. This is a Pass/Fail course.

PHAR 601D1 and PHAR 601D2 together are equivalent to PHAR 601

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 601N1
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: A research seminar must be presented by all M.Sc. students in the Department after completion of two semesters in the Department.
Notes: Students must also register for PHAR 601N2
No credit will be given for the spanned version of this course unless both PHAR 601N1/N2 are completed in two non-consecutive terms. This is a Pass/Fail course.

PHAR 601N2
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: A research seminar must be presented by all M.Sc. students in the Department after completion of two semesters in the Department.
Notes: Prerequisite: PHAR 601N1
No credit will be given for the spanned version of this course unless both PHAR 601N1/N2 are completed in two non-consecutive terms. This is a Pass/Fail course.

PHAR 602
Credit Weight: 3
Transcript Title: Principles of Pharmacology
Calendar Title: Principles of Pharmacology.
Description: Overview of core principles in pharmacology, with an emphasis on advanced concepts and state-of-the-art current research. Molecular mechanisms for interactions of drugs with their receptors, pharmacokinetics, drug design, and toxicology.
Notes: No equivalent course(s).
39 contact hours.
Language of instruction is English.
Restriction: This course is restricted to graduate students in Pharmacology and Therapeutics. Others require permission of the course coordinator.

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active
PHAR 609
Credit Weight: 1
Transcript Title: Res Profess'ism for Pharmacol.
Calendar Title: Research Professionalism for Pharmacologists.
Description: Discussion of good research practices in Pharmacology, including scientific conduct and misconduct, mentorship, authorship, peer review, research on animal and human subjects, and intellectual property.
Notes: Prerequisite(s): Any Pharmacology 500 level excluding PHAR 598 and 599. Restriction(s): First year graduate students in Pharmacology or with permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 610
Credit Weight: 2
Transcript Title: ScientificCommun for Pharmacol
Calendar Title: Scientific Communication for Pharmacologists.
Description: This is a hands-on course with a strong emphasis on developing scientific writing and oral communication skills in Pharmacology.
Notes: Prerequisite(s): Any Pharmacology 500 level excluding PHAR 598 and 599. Restriction(s): First year graduate students in Pharmacology or with permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 670
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 1
Calendar Title: Principles of Environmental Health Sciences 1.
Description: Topics in environmental health sciences: principles of exposure assessment and of toxicology.
Notes: Restriction(s): Open to graduate students pursuing a career in Environmental Health Sciences or with permission of the course instructor. Not open to students who have taken or are taking EPIB 684 or EXMD 670 or NRSC 670.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 671
Credit Weight: 3
Transcript Title: Princ of Envrnmntl Hlth Sci 2
Calendar Title: Principles of Environmental Health Sciences 2.
Description: Topics in environmental health sciences: principles of environmental epidemiology.
Notes: Restriction(s): Open to graduate students in the Environmental Health Sciences or permission of the course instructor. Not open to students who have taken or are
taking EPIB 685 or EXMD 671 or NRSC 671.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

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**PHAR 696**  
**Credit Weight:** 3  
**Transcript Title:** Thesis Preparation  
**Calendar Title:** Thesis Preparation.  
**Description:** Preparatory work towards the Master's thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

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**PHAR 697**  
**Credit Weight:** 6  
**Transcript Title:** Thesis Preparation 1  
**Calendar Title:** Thesis Preparation 1.  
**Description:** Preparatory work towards the Master's thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

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**PHAR 698**  
**Credit Weight:** 9  
**Transcript Title:** Thesis Preparation 2  
**Calendar Title:** Thesis Preparation 2.  
**Description:** Preparatory work towards the Master's thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

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**PHAR 699**  
**Credit Weight:** 12  
**Transcript Title:** Thesis Preparation 3  
**Calendar Title:** Thesis Preparation 3.  
**Description:** Preparatory work towards the Master's thesis.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Pharmacology and Therapeutics  
**Status (catalog level):** Active

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**PHAR 700**  
**Credit Weight:** 3  
**Transcript Title:** Seminars in Pharmacology  
**Calendar Title:** Seminars in Pharmacology.  
**Description:** This course is organized in conjunction with the weekly Departmental Seminar Series and consists of (1) regular attendance of the weekly Departmental research seminars, (2) active participation in lunch tutorials organized with seminar speakers following the seminar and (3) production of written reports on selected seminars.  
**Notes:** Prerequisites: PHAR562 and PHAR 563, unless the student has been exempted.
previously from these courses by the Graduate Teaching Committee. Restricted: Students enrolled in the Departmental graduate program at the level of M.Sc. 2 or Ph.D. are admissible. Exemptions from this restriction are possible if approved by the Graduate Teaching Committee.

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 701
Credit Weight: 0
Transcript Title: PhD Comprehensive Examination
Calendar Title: Ph.D. Comprehensive Exam.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program. This is an oral presentation followed by an oral examination by the student's advisory committee and members of the department faculty.

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 702
Credit Weight: 3
Transcript Title: Topics in Pharmacology 1
Calendar Title: Topics in Pharmacology 1.
Description:
Topics in pharmacology.
Notes:
Prerequisite: Permission of the Instructor.

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 703
Credit Weight: 3
Transcript Title: Topics in Pharmacology 2
Calendar Title: Topics in Pharmacology 2.
Description:
Topics in pharmacology.
Notes:
Prerequisite: Permission of the Instructor.

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 704
Credit Weight: 3
Transcript Title: Topics in Pharmacology 3
Calendar Title: Topics in Pharmacology 3.
Description:
Topics in pharmacology.
Notes:
Prerequisite: Permission of the Instructor.

Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active
PHAR 705
Credit Weight: 3
Transcript Title: Topics in Pharmacology 4
Calendar Title: Topics in Pharmacology 4.
Description: Topics in pharmacology.
Notes: Prerequisite: Permission of the Instructor.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 706
Credit Weight: 3
Transcript Title: Topics in Pharmacology 5
Calendar Title: Topics in Pharmacology 5.
Description: Topics in pharmacology.
Notes: Prerequisite: Permission of the Instructor.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 707
Credit Weight: 3
Transcript Title: Topics in Pharmacology 6
Calendar Title: Topics in Pharmacology 6.
Description: Topics in pharmacology.
Notes: Prerequisite: Permission of the Instructor.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active

PHAR 712
Credit Weight: 3
Transcript Title: Statistics for Pharmacologists
Calendar Title: Statistics for Pharmacologists.
Description: Basic theoretical and practical aspects of statistics for pharmacologists.
Notes: Restriction: This course is restricted to graduate students in Pharmacology and Therapeutics. Others require permission of the course coordinator.
Administering Faculty: Graduate Studies
Teaching Department: Pharmacology and Therapeutics
Status (catalog level): Active
PHGY 209
Credit Weight: 3
Transcript Title: Mammalian Physiology 1
Calendar Title: Mammalian Physiology 1.
Description:
Physiology of body fluids, blood, body defense mechanisms, muscle, peripheral, central, and autonomic nervous systems.
Notes:
Fall
3 hours lectures weekly
Prerequisites: BIOL 112, CHEM 110, CHEM 120, PHYS 101 or PHYS 131, and PHYS 102 or PHYS 142. Pre-/co-requisites: BIOL 200, CHEM 212 or equivalent.
Restriction: Not open to students who have taken PHGY 211 or students who are taking and who have taken NSCI 200.
Restriction: For students in the Faculty of Science, and other students by permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 210
Credit Weight: 3
Transcript Title: Mammalian Physiology 2
Calendar Title: Mammalian Physiology 2.
Description:
Physiology of cardiovascular, respiratory, digestive, endocrine and renal systems.
Notes:
Winter
3 hours lectures weekly
Prerequisites: BIOL 112, CHEM 110, CHEM 120, PHYS 101 or PHYS 131, and PHYS 102 or PHYS 142. Pre-/co-requisite: BIOL 200, BIOL 201, BIOC 212, CHEM 212 or equivalent.
Restriction: For students in the Faculty of Science, and other students by permission of the instructor
Although PHGY 210 may be taken without the prior passing of PHGY 209, students should note that they may have some initial difficulties because of lack of familiarity with some basic concepts introduced in PHGY 209
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 212
Credit Weight: 1
Transcript Title: Introductory Physiology Lab 1
Calendar Title: Introductory Physiology Laboratory 1.
Description:
Exercises illustrating fundamental principles in physiology: Biological Signals Acquisitions, Blood, Immunology, Neuropsychology, Neuromuscular Physiology.
Notes:
(One 3-hour lab and one 1-hour lecture every second week.)
Corequisite: PHGY 209.
Restrictions: Required for Physiology students enrolled in PHGY 209. Open to BA &Sc. students and to others by permission of the instructor. Not open to students who have taken PHGY 212D1/D2.
Note: For students in a Physiology program, PHGY 212 should be taken concurrently with PHGY 209.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 213
Credit Weight: 1
Transcript Title: Introductory Physiology Lab 2
Calendar Title: Introductory Physiology Laboratory 2.
Description:
Exercises illustrating fundamental principles in physiology: Central Nervous System, Cardiovascular, Respiration, Exercise Physiology, Molecular Endocrinology.
Notes:
(One 3-hour lab and one 1-hour lecture every second week.)
Prerequisite: PHGY 212
Restrictions: Required for Physiology students enrolled in PHGY 210. Open to BA &Sc. students and to others by permission of the instructor. Not open to students who have taken PHGY 212D1/D2.
Note: For students in a Physiology program, PHGY 213 should be taken concurrently with PHGY 210.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 311
Credit Weight: 3
Transcript Title: Channels, Synapses & Hormones
Calendar Title: Channels, Synapses and Hormones.
Description:
In-depth presentation of experimental results and hypotheses on cellular communication in the nervous system and the endocrine system.
Notes:
Fall
3 hours of lectures per week; 1-3 hours optional lab/demonstration/tutorial arranged for a maximum of 3 afternoons per term
Prerequisite: PHGY 209 or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 312
Credit Weight: 3
Transcript Title: Resp.,Renal,&Cardio Physiology
Calendar Title: Respiratory, Renal, and Cardiovascular Physiology.
Description:
In-depth presentation of experimental results and hypotheses underlying our current understanding of topics in renal, respiratory and cardiovascular functions explored beyond the introductory level.
Notes:
Winter
3 hours of lectures per week; 1-3 hours optional lab/demonstration/tutorial arranged for a maximum of 3 Wednesday afternoons per term
Prerequisites: PHGY 209 and PHGY 210 or equivalent, PHGY 311 or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active
PHGY 313
Credit Weight: 3
Transcript Title: Blood, GI, Imm. Syst. Physiol
Calendar Title: Blood, Gastrointestinal, and Immune Systems Physiology.
Description: In-depth presentation of experimental results and hypotheses underlying our current understanding of topics in immunology, blood and fluids, and gastrointestinal physiology.
Notes: Winter
3 hours of lectures per week; 1-3 hours optional lab/demonstration/tutorial arranged for a maximum of 3 Wednesday afternoons per term
Prerequisites: PHGY 209 and PHGY 210 or equivalent, PHGY 311 or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 314
Credit Weight: 3
Transcript Title: Integrative Neuroscience
Calendar Title: Integrative Neuroscience.
Description: In depth presentation of experimental results and hypotheses underlying our current understanding of how single neurons and ensembles of neurons encode sensory information, generate movement, and control cognitive functions such as emotion, learning, and memory, during voluntary behaviours.
Notes: Fall
3 hours of lectures per week
Prerequisites: PHGY 209
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 351
Credit Weight: 3
Transcript Title: Research Techniques: Physiology
Calendar Title: Research Techniques: Physiology.
Description: Provides an overview of common research methods in Physiology, including critical analysis and practical experience with some of the methods. Topics include research ethics of animal experimentation, data analysis, membrane biophysics, radioimmunoassay, ion sensitive dyes, immunocytochemistry, localization techniques, protein transport, cell sorting and molecular biology.
Notes: Winter
2 hour lecture and 3 hour lab weekly
Prerequisites: PHGY 209, PHGY 210 and PHGY 311.
Corequisites: PHGY 312 and PHGY 313
Restriction: Honours Physiology students
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active
PHGY 359D1
Credit Weight: 0.5
Transcript Title: Tutorial in Physiology
Calendar Title: Tutorial in Physiology.
Description:
The course consists of regularly scheduled meetings between each individual student and a chosen staff member, to consider current problems in biomedical research and to develop background for a research project to be carried out in U3. Brief written summaries of each meeting are required.
Notes:
Fall
Prerequisites: PHGY 209 and PHGY 210 or equivalent.
Corequisites: PHGY 311, PHGY 312 and PHGY 313.
Restriction: Enrolment restricted to Honours Physiology students
Students must register for both PHGY 359D1 and PHGY 359D2.
No credit will be given for this course unless both PHGY 359D1 and PHGY 359D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 359D2
Credit Weight: 0.5
Transcript Title: Tutorial in Physiology
Calendar Title: Tutorial in Physiology.
Description:
See PHGY 359D1 for course description.
Notes:
Winter
Prerequisite: PHGY 359D1
No credit will be given for this course unless both PHGY 359D1 and PHGY 359D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 396
Credit Weight: 3
Transcript Title: Undergraduate Research Project
Calendar Title: Undergraduate Research Project.
Description:
Independent research project with a final written report.
Notes:
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and
procedures.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physiology  
**Status (catalog level):** Active  

**PHGY 419D1**  
**Credit Weight:** 4.5  
**Transcript Title:** Immunology Research Project  
**Calendar Title:** Immunology Research Project.  
**Description:** Individual research projects in immunology under the guidance of staff members in the three participating departments: Physiology, Biochemistry, and Microbiology and Immunology.  
**Notes:**  
- Fall  
- 15 hours lab/week  
- Restriction: Enrolment restricted to U3 Interdepartmental Honours Immunology students or permission of instructors  
- Students must register for both PHGY 419D1 and PHGY 419D2.  
- No credit will be given for this course unless both PHGY 419D1 and PHGY 419D2 are successfully completed in consecutive terms  

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physiology  
**Status (catalog level):** Active  

**PHGY 419D2**  
**Credit Weight:** 4.5  
**Transcript Title:** Immunology Research Project  
**Calendar Title:** Immunology Research Project.  
**Description:** See PHGY 419D1 for course description.  
**Notes:**  
- Winter  
- 15 hours lab/week  
- Prerequisite: PHGY 419D1  
- No credit will be given for this course unless both PHGY 419D1 and PHGY 419D2 are successfully completed in consecutive terms  
- Restriction: Enrolment restricted to U3 Interdepartmental Honours Immunology students or permission of instructors  

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physiology  
**Status (catalog level):** Active  

**PHGY 425**  
**Credit Weight:** 3  
**Transcript Title:** Analyzing Physiological Sys.  
**Calendar Title:** Analyzing Physiological Systems.  
**Description:** An introduction to quantitative analysis of physiological data, both to the mode of thinking and to a set of tools that allows accurate predictions of biological systems. Examples will range from oscillating genetic networks to understanding higher brain function. Modelling and data analysis through examples and exercises will be emphasized.  
**Notes:**  
- Prerequisite: PHGY 311, PHGY 314, BIOL 200 or permission from instructor.  
- Note: Enrolment limited to 20 students.
Teaching Department: Physiology  
Status (catalog level): Active  

PHGY 451  
Credit Weight: 3  
Transcript Title: Advanced Neurophysiology  
Calendar Title: Advanced Neurophysiology.  
Description:  
Topics of current interest in neurophysiology including the development of neurons and synapses, physiology of ionic channels, presynaptic and postsynaptic events in synaptic transmission and neuronal interactions in CNS function.  
Notes:  
Fall  
3 hours lecture  
Prerequisite: PHGY 311 or equivalent  
Restriction: Departmental approval required  
Administering Faculty: Faculty of Science  
Teaching Department: Physiology  
Status (catalog level): Active  

PHGY 459D1  
Credit Weight: 3  
Transcript Title: Physiology Seminar  
Calendar Title: Physiology Seminar.  
Description:  
Discussion of topics in mammalian, cellular and molecular physiology. Students will be required to write one essay and make at least one oral presentation per term. A final course essay is required.  
Notes:  
Fall  
2 hours seminar  
Prerequisite: permission of instructors  
Required course for U3 Honours students.  
Students must register for both PHGY 459D1 and PHGY 459D2.  
No credit will be given for this course unless both PHGY 459D1 and PHGY 459D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Science  
Teaching Department: Physiology  
Status (catalog level): Active  

PHGY 459D2  
Credit Weight: 3  
Transcript Title: Physiology Seminar  
Calendar Title: Physiology Seminar.  
Description:  
See PHGY 459D1 for course description.  
Notes:  
Winter  
Prerequisite: PHGY 459D1  
No credit will be given for this course unless both PHGY 459D1 and PHGY 459D2 are successfully completed in consecutive terms  
Administering Faculty: Faculty of Science  
Teaching Department: Physiology  
Status (catalog level): Active  

PHGY 461D1
Credit Weight: 4.5
Transcript Title: Experimental Physiology
Calendar Title: Experimental Physiology.
Description: Individual project work under the supervision of Departmental Staff members.
Notes: Fall
Restrictions: Departmental approval required. This course is a requirement for U3 students in the Honours Physiology program, the Major Program in Physiology and Mathematics, and the Major program in Physiology and Physics, and is open to a limited number of other U3 Physiology students.
Students must register for both PHGY 461D1 and PHGY 461D2.
No credit will be given for this course unless both PHGY 461D1 and PHGY 461D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 461D2
Credit Weight: 4.5
Transcript Title: Experimental Physiology
Calendar Title: Experimental Physiology.
Description: See PHGY 461D1 for course description.
Notes: Winter
Prerequisite: PHGY 461D1
No credit will be given for this course unless both PHGY 461D1 and PHGY 461D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 488
Credit Weight: 3
Transcript Title: Stem Cell Biology
Calendar Title: Stem Cell Biology.
Description: The main concepts in stem cell biology: embryonic stem cells, induced pluripotent stem cells, cancer stem cells, stem cells populations of many adult tissues, applications of stem cell biology and ethical issues surrounding stem cell use in research and medicine. The major experimental methods and laboratory techniques in stem cell biology.
Notes: Prerequisite(s): PHGY 313 or by permission of instructor.
Restriction(s): Registration is on a first-come, first-served basis.
Restriction(s): Not open to students who are taking or have taken ANAT 416.
Critical reading of peer-reviewed journal papers, practice in oral presentations of scientific material and participation in group discussions.

Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 499
Credit Weight: 1
Transcript Title: Independent Study in Physiol
Calendar Title: Independent Study in Physiology.
Description: Supervised research project in physiology.
Notes: Prerequisites: PHGY 311, PHGY 312, PHGY 313, PHGY 314. Note: A form from the Student Affairs Officer, Room 1022, McIntyre Medical Bldg., must be completed prior to registration. Restriction: Open only to final year Physiology students
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 502
Credit Weight: 3
Transcript Title: Exercise Physiology
Calendar Title: Exercise Physiology.
Description: Behaviour of physiological processes in response to physical effort, in areas such as structural basis of muscle contraction, thermoregulation during exercise, mechanics and energetics of muscle contraction, fuel utilization, fatigue, physiological adjustments during exercise and influence of training.
Notes: Winter
Prerequisites: PHGY 311, PHGY 312, and PHGY 313
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 508
Credit Weight: 3
Transcript Title: Advanced Renal Physiology
Calendar Title: Advanced Renal Physiology.
Description: Advanced concepts in selected areas of kidney physiology, including the glomerulus, renal cell biology, kidney development, membrane and epithelial transport, hormones and autacoids, kidney transplantation, bioengineering and regenerative medicine.
Notes: Fall. Offered in conjunction with the Department of Medicine.
Prerequisite (Undergraduate): PHGY 312 or the equivalent
Restriction: Open to advanced undergraduate and graduate students
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 513
Credit Weight: 3
Transcript Title: Translational Immunology
Calendar Title: Translational Immunology.
Description: Advanced key concepts in immunology as they relate to health and disease, including infectious diseases, non-infectious diseases and autoimmunity, and cancer immunology.
Notes: Winter
3 hours lectures
PHGY 515
Credit Weight: 3
Transcript Title: Blood-Brain Barrier: Health & Disease.
Calendar Title: Blood-Brain Barrier in Health and Disease.
Description: Molecular and cellular mechanisms underlying the organization and regulation of the blood-brain barrier, highlighting neurological diseases associated with the blood-brain barrier breakdown and give an overview of experimental approaches to study blood-brain barrier.
Notes:
Fall
1.5 hours Lecture and 1.5 hours Seminar weekly
Prerequisite: PHGY 313 or PHGY 314 and permission of the instructor

PHGY 516
Credit Weight: 3
Transcript Title: Physiology of Blood
Calendar Title: Physiology of Blood.
Description: Bone marrow hematopoiesis, with emphasis on regulation of stem cell proliferation and differentiation along hematopoietic pathways. Formation and differentiation of red and white blood cells and some of the diseases associated with hematopoiesis will be covered. Emphasis will be given to the molecular mechanisms involved in the normal and pathological conditions.
Notes:
Winter
2 hours lecture plus 1 hour seminar weekly

PHGY 518
Credit Weight: 3
Transcript Title: Artificial Cells
Calendar Title: Artificial Cells.
Description: Physiology, biotechnology, chemistry and biomedical application of artificial cells, blood substitutes, immobilized enzymes, microorganisms and cells, hemoperfusion, artificial kidneys, and drug delivery systems. PHGY 517 and PHGY 518 when taken together, will give a complete picture of this field. However, the student can select one of these.
Notes:
Fall
Prerequisite (Undergraduate): permission of instructors.
PHGY 520
Credit Weight: 3
Transcript Title: Ion Channels
Calendar Title: Ion Channels.
Description:
A discussion of the principal theories and interesting new developments in the study of ion channels. Based on a textbook, computer exercises and critical reading and presentation of research papers. Topics include: Properties of voltage-and ligand-gated channels, single channel analysis, structure and function of ion channels.
Notes:
Winter
Offered in even numbered years
1 1/2 hour lecture, 1 1/2 hour seminar
Prerequisite: PHGY 311
Priority to Graduate and Honours students; others by permission of instructors.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 524
Credit Weight: 3
Transcript Title: Chronobiology
Calendar Title: Chronobiology.
Description:
An introduction to the field of chronobiology. The aim is to provide basic instruction on different types of biological rhythms, with particular focus on circadian rhythms.
Notes:
Prerequisites: PHGY 209 and PHGY 210 (or NSCI 200 and NSCI 201), and a relevant 300-level course (PHGY 311, or PHGY 314, or PSYC 318, or BIOC 311, or other, with permission of course coordinator).
Restriction: Course for senior undergraduate (U3) and graduate students
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 525
Credit Weight: 3
Transcript Title: Cortical Plasticity
Calendar Title: Cortical Plasticity.
Description:
An examination of cortical plasticity following peripheral and central nervous damage from a systems/cognitive neuroscience perspective. Focus is on sensory systems and animal models, including the following topics: ocular dominance columns, retinal lesions, blindness, deafness, cochlear implants, barrel fields, amputation, stroke, and hemispherectomy. Experimental approaches to be considered include: electrophysiological recording, psychophysics, behaviour, and functional imaging.
Notes:
Prerequisites: NSCI 200 or PHGY 314 or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active
PHGY 531
Credit Weight: 3
Transcript Title: Topics in Applied Immunology
Calendar Title: Topics in Applied Immunology.
Description:
Seminar format course in which experts in immunologic mechanisms of resistance against a variety of infectious diseases, including AIDS, malaria, and tuberculosis oversee student moderators in their presentation of recent scientific literature in the field.
Notes:
Winter
Restriction: Permission of the instructor. U3 InterDept. Honours Immunology students and graduate students with strong immunology background i.e. PHGY 513 and BIOC 503
Administrating Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 550
Credit Weight: 3
Transcript Title: Molecular Physiology of Bone
Calendar Title: Molecular Physiology of Bone.
Description:
Students will develop a working knowledge of cartilage and bone. Discussion topics will include: molecular and cellular environment of bone; heritable and acquired skeletal defects; research models used to study metabolic bone disease.
Notes:
Fall
1 hour of lecture, 2 hours of seminar per week
Prerequisites: PHGY 311, and BIOL 202 or equivalent
Restriction: U3 Physiology students, and graduate students in biomedical departments; others by permission of the instructor
Administrating Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 552
Credit Weight: 3
Transcript Title: Cellular & Molecular Physiology
Calendar Title: Cellular and Molecular Physiology.
Description:
Discussions of recent significant advances in our understanding of the gene products involved in diverse cellular signalling pathways. Topics will include cell-surface hormone receptors, nuclear steroid hormone receptors, and ion channels and transporters. Students will present and critically evaluate experimental approaches, results and interpretations of selected research publications.
Notes:
Winter
1 hour lecture, 2 hours seminar weekly
Prerequisite: PHGY 311
Preference will be given to Physiology Honours and Graduate students
Administrating Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active
PHGY 556
Credit Weight: 3
Transcript Title: Topics in Systems Neuroscience
Calendar Title: Topics in Systems Neuroscience.
Description: Topics of current interest in systems neurophysiology and behavioural neuroscience including: the neural representation of sensory information and motor behaviours, models of sensory motor integration, and the computational analysis of problems in motor control and perception. Students will be expected to present and critically discuss journal articles in class.
Notes:
Winter
Restriction: Permission of the instructor required.
Restriction: Not open to students who have taken PHGY 456
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 560
Credit Weight: 3
Transcript Title: Light Microscopy-Life Science
Calendar Title: Light Microscopy-Life Science.
Description: Introduction to optics, light microscopy imaging and data analysis for life scientists.
Notes:
Winter
Prerequisites: BIOL 301 or permission of instructors.
Administering Faculty: Faculty of Science
Teaching Department: Physiology
Status (catalog level): Active

PHGY 601
Credit Weight: 1
Transcript Title: M.Sc. Proposal Seminar
Calendar Title: M.Sc. Proposal Seminar.
Description: Seminar presentation to Supervisory Committee and students on the Master's thesis proposal.
Administering Faculty: Graduate Studies
Teaching Department: Physiology
Status (catalog level): Active

PHGY 602
Credit Weight: 2
Transcript Title: Lit Search & Research Proposal
Calendar Title: Literature Search and Research Proposal.
Description: Independent work under the supervision of the thesis advisor including literature search and research leading to thesis proposal.
Administering Faculty: Graduate Studies
Teaching Department: Physiology
Status (catalog level): Active

PHGY 603
Credit Weight: 3  
Transcript Title: Systems Biology and Biophysics  
Calendar Title: Systems Biology and Biophysics.  
Description:  
Introduction to classical and current topics in biophysics and systems biology in order to model the control of gene expression and intracellular signal transduction, as well as gene spread in populations.  
Notes:  
Prerequisite: Knowledge of differential equations at the MATH 315 level or equivalent.  
Notes: Enrolment is limited to 20 students per semester. The course is 1.5 hours of lecture and 1.5 hours of seminar per week. Readings will focus on classic and current journal articles.  
Administering Faculty: Graduate Studies  
Teaching Department: Physiology  
Status (catalog level): Active

PHGY 604  
Credit Weight: 0  
Transcript Title: Responsible Conduct in Res.  
Calendar Title: Responsible Conduct in Research.  
Description:  
This course provides students with information on the following areas: 1) an ethics overview; 2) scientific conduct and misconduct; 3) research authorship and peer review; and 4) research on human and animal subjects.  
Notes:  
Students having taken this course during the M.Sc. in Physiology will not be obliged to re-take the course if transferring to the Ph.D.  
Administering Faculty: Graduate Studies  
Teaching Department: Physiology  
Status (catalog level): Active

PHGY 607  
Credit Weight: 3  
Transcript Title: Laboratory Research 1  
Calendar Title: Laboratory Research 1.  
Description:  
Laboratory research leading to the thesis.  
Administering Faculty: Graduate Studies  
Teaching Department: Physiology  
Status (catalog level): Active

PHGY 608  
Credit Weight: 3  
Transcript Title: Laboratory Research 2  
Calendar Title: Laboratory Research 2.  
Description:  
Laboratory research leading to the thesis.  
Administering Faculty: Graduate Studies  
Teaching Department: Physiology  
Status (catalog level): Active

PHGY 620  
Credit Weight: 3  
Transcript Title: Progress in Research  
Calendar Title: Progress in Research.
Description: Progress in research in preparation of thesis.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Physiology

**Status (catalog level)**: Active

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**PHGY 621**

**Credit Weight**: 12

**Transcript Title**: Thesis 1

**Calendar Title**: Thesis 1.

**Description**: Written and oral presentation of thesis proposal to the research Supervisory Committee.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Physiology

**Status (catalog level)**: Active

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**PHGY 622**

**Credit Weight**: 12

**Transcript Title**: Thesis 2

**Calendar Title**: Thesis 2.

**Description**: Written and oral preparation of the thesis.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Physiology

**Status (catalog level)**: Active

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**PHGY 623**

**Credit Weight**: 3

**Transcript Title**: M.Sc. Final Seminar

**Calendar Title**: M.Sc. Final Seminar.

**Description**: Final seminar presentation to students supervisory committee prior to thesis submission.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Physiology

**Status (catalog level)**: Active

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**PHGY 701**

**Credit Weight**: 0

**Transcript Title**: Ph.D. Comprehensive Examination

**Calendar Title**: Ph.D. Comprehensive Examination.

**Description**: The Ph.D. comprehensive exam will be completed between 12-18 months of commencing the program and is designed to ensure that the student's research encompasses the i) acquisition of a comprehensive knowledge of scientific literature; ii) the development of experimental skills and technical expertise with a deep understanding of the experimental design thus iii) ensuring a high degree of scholarship in the thesis submission.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Physiology

**Status (catalog level)**: Active

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**PHGY 703**

**Credit Weight**: 1

**Transcript Title**: Ph.D. Progress Seminar 1
**Calendar Title:** Ph.D. Progress Seminar 1.

**Description:**
The Progress Seminar is a "work in progress" seminar on what the student has accomplished to date. Following completion of the comprehensive exam, the seminar should be presented to the student's supervisory committee as a formal presentation of approximately 30 minutes followed by a question and discussion period.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Physiology

**Status (catalog level):** Active

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**PHGY 704**

**Credit Weight:** 1

**Transcript Title:** Ph.D. Progress Seminar 2

**Calendar Title:** Ph.D. Progress Seminar 2.

**Description:**
A "work in progress" seminar, intended as a report on student progress following the Thesis Proposal Seminar.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Physiology

**Status (catalog level):** Active

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**PHGY 720**

**Credit Weight:** 1

**Transcript Title:** Ph.D. Seminar Course 1

**Calendar Title:** Ph.D. Seminar Course 1.

**Description:**
Required for Ph.D. students. Coordinated in conjunction with the weekly Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Physiology

**Status (catalog level):** Active

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**PHGY 721**

**Credit Weight:** 1

**Transcript Title:** Ph.D. Seminar Course 2

**Calendar Title:** Ph.D. Seminar Course 2.

**Description:**
Required for Ph.D. students. Coordinated in conjunction with the weekly Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Physiology

**Status (catalog level):** Active

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**PHGY 722**

**Credit Weight:** 1

**Transcript Title:** Ph.D. Seminar Course 3

**Calendar Title:** Ph.D. Seminar Course 3.

**Description:**
Required for Ph.D. students. Coordinated in conjunction with the weekly
Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

Administering Faculty: Graduate Studies
Teaching Department: Physiology
Status (catalog level): Active

PHGY 723
Credit Weight: 1
Transcript Title: Ph.D. Seminar Course 4
Calendar Title: Ph.D. Seminar Course 4.
Description:
Required for Ph.D. students. Coordinated in conjunction with the weekly Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

Administering Faculty: Graduate Studies
Teaching Department: Physiology
Status (catalog level): Active

PHGY 724
Credit Weight: 1
Transcript Title: Ph.D. Seminar Course 5
Calendar Title: Ph.D. Seminar Course 5.
Description:
Required for Ph.D. students. Coordinated in conjunction with the weekly Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

Administering Faculty: Graduate Studies
Teaching Department: Physiology
Status (catalog level): Active

PHGY 725
Credit Weight: 1
Transcript Title: Ph.D. Seminar Course 6
Calendar Title: Ph.D. Seminar Course 6.
Description:
Required for Ph.D. students. Coordinated in conjunction with the weekly Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

Administering Faculty: Graduate Studies
Teaching Department: Physiology
Status (catalog level): Active
PHIL 197
Credit Weight: 3
Transcript Title: FYS: Right and Wrong
Calendar Title: FYS: Right and Wrong.
Description:
Reading and discussion of classic and contemporary philosophical texts on morality: its nature, status, and importance.
Notes:
Restriction: Open only to newly admitted students in U0 or U1 who may take only one FYS
Enrollment limit 25. Open only to newly admitted students in U0 or U1, who may take only one First Year Seminar. Students who register for more than one will be obliged to withdraw from all but one of them. Language of instruction is English.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 198
Credit Weight: 3
Transcript Title: FYS: Know & Ideas in Early Mod Phil
Calendar Title: FYS: Knowledge and Ideas in Early Modern Philosophy.
Description:
An introduction to central issues in the philosophy of the early modern period through an examination of works by, for example, Descartes, Malebranche, Spinoza, Locke, Leibniz, Berkeley and Hume.
Notes:
Restriction: Open only to newly admitted students in U0 or U1 who may take only one FYS
Enrollment limit 25. Students who register for more than one First Year Seminar will be obliged to withdraw from all but one of them. Language of instruction is English.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 199
Credit Weight: 3
Transcript Title: FYS: Minds, Brain and Machines
Calendar Title: FYS: Minds, Brain, and Machines.
Description:
An introduction to the philosophical foundations of the sciences of the mind.
Notes:
Restriction: Open only to newly admitted students in U0 or U1 who may take only one FYS
Enrollment limit 25. Students who register for more than one First Year Seminar will be obliged to withdraw from all but one of them. Language of instruction is English.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 200
Credit Weight: 3
Transcript Title: Intro to Philosophy 1
Calendar Title: Introduction to Philosophy 1.
Description:
A course treating some of the central problems of philosophy: the mind-body
problem, freedom, scepticism and certainty, fate, time, and the existence of God. 

Notes:
Philosophy students may use either PHIL 200 or PHIL 201 towards their program requirements, but not both. Students may, however, take both for credit (using the second as an elective), as the content in PHIL 201 does not overlap with PHIL 200.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 201
Credit Weight: 3
Transcript Title: Intro to Philosophy 2
Calendar Title: Introduction to Philosophy 2.
Description:
An introduction to some of the major problems of philosophy. This course does not duplicate PHIL 200.

Notes:
Philosophy students may use either PHIL 200 or PHIL 201 towards their program requirements, but not both. Students may, however, take both for credit (using the second as an elective), as the content in PHIL 201 does not overlap with PHIL 200.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 202
Credit Weight: 3
Transcript Title: The Good Life
Calendar Title: The Good Life.
Description:
Examines how ancient philosophers grapple with the question of how we should live, especially Socrates, Plato, Aristotle, Stoics, Epicureans and Skeptics, who advertise their philosophies as gateways to happiness, virtue and peace of mind. Also covers select modern views, from Kierkegaard to Sartre, and asks how these differ from the views of the ancients. Analyzes the debate of fundamental questions: What things really matter? Does it pay to be good? What is the best society? Can we escape the roller-coaster of our emotions? Looks at how answers tie in with assumptions about god, nature, knowledge, the soul and politics.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 210
Credit Weight: 3
Transcript Title: Intro to Deductive Logic 1
Calendar Title: Introduction to Deductive Logic 1.
Description:
An introduction to propositional and predicate logic; formalization of arguments, truth tables, systems of deduction, elementary metaresults, and related topics.

Notes:
Restriction: Not open to students who are taking or have taken MATH 318.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 221
Credit Weight: 3
Transcript Title: Intro to Hist & Phil of Sci 2
Calendar Title: Introduction to History and Philosophy of Science 2.
Description:
A survey of the development of modern science since the Eighteenth Century.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 230
Credit Weight: 3
Transcript Title: Intro to Moral Philosophy 1
Calendar Title: Introduction to Moral Philosophy 1.
Description:
A survey of a number of historically important and influential theories. Philosophers to be discussed may include Aristotle, Hume, Kant, Bentham, Mill, and Moore.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 237
Credit Weight: 3
Transcript Title: Contemporary Moral Issues
Calendar Title: Contemporary Moral Issues.
Description:
An introductory discussion of central ethical questions (the value of persons, or the relationship of rights and utilities, for example) through the investigation of currently disputed social and political issues. Specific issues to be discussed may include pornography and censorship, affirmative action, civil disobedience, punishment, abortion, and euthanasia.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 240
Credit Weight: 3
Transcript Title: Political Philosophy 1
Calendar Title: Political Philosophy 1.
Description:
An introduction to contemporary philosophy of politics by concentrating on a number of contested concepts, such as freedom, justice and equality, in contemporary political philosophy and practice.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 242
Credit Weight: 3
Transcript Title: Intro to Feminist Theory
Calendar Title: Introduction to Feminist Theory.
Description:
An introduction to feminist theory as political theory. Emphasis is placed on the plurality of analyses and proposals that constitute contemporary feminist thought. Some of the following are considered: liberal feminism, marxist and socialist feminism, radical feminism, postmodern feminism, francophone feminism, and the contributions to feminist theory by women of colour and lesbians.

Notes:
Note: Since this course is being taught abroad, the Victoria Day statutory holiday will not be taken into consideration. Therefore, students are expected to attend their lecture on Monday, May 19, 2014.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 301
Credit Weight: 3
Transcript Title: Philosophical Fundamentals
Calendar Title: Philosophical Fundamentals.
Description:
An intensive study of basic philosophical skills; reading, writing, analysis, and argumentation.
Notes:
Prerequisites: two previous courses in philosophy, one of which must be PHIL 210 or written consent of the Department
Restriction: Open only to and required of Philosophy Honours and Joint Honours students
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 306
Credit Weight: 3
Transcript Title: Philosophy of Mind
Calendar Title: Philosophy of Mind.
Description:
A survey of major positions of the mind-body problem, focusing on such questions as: Do we have minds and bodies? Can minds affect bodies? Is mind identical to body? If so, in what sense "identical"? Can physical bodies be conscious.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 310
Credit Weight: 3
Transcript Title: Intermediate Logic
Calendar Title: Intermediate Logic.
Description:
A second course in Logic. NB. The course will be technical in nature, and some mathematical aptitude is essential. The emphasis is on the expressive properties of standard logical systems, including implications for the philosophy of mathematics. We will study the Completeness of First-Order Logic, then the 'limitative' theorems of Tarski and Gödel.
Notes:
Prerequisite: PHIL 210 or equivalent
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 311
Credit Weight: 3
Transcript Title: Philosophy of Mathematics
Calendar Title: Philosophy of Mathematics.
Description: This course provides an historically informed introduction to philosophy of mathematics. It gives the student an overview of prominent issues and arguments, to enable her to follow and discuss contemporary research in philosophy of mathematics.
Notes: Prerequisite: PHIL 210
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 327
Credit Weight: 3
Transcript Title: Philosophy of Race
Calendar Title: Philosophy of Race.
Description: An introduction to issues in the philosophy of race, for example: the metaphysical status of race; the biology of racial categories; the social construction of race; the relationship between race and racism; the phenomenology of racialized subjectivity; or, intersections of race, gender, and other identity categories.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 334
Credit Weight: 3
Transcript Title: Ethical Theory
Calendar Title: Ethical Theory.
Description: A course focusing on central questions in ethical theory such as the nature of the good and the right and the factors which determine moral rightness and wrongness.
Notes: Prerequisite: one of PHIL 230, PHIL 237, PHIL 242, PHIL 343, or written permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 336
Credit Weight: 3
Transcript Title: Aesthetics
Calendar Title: Aesthetics.
Description: An introduction to issues central to aesthetic theory; the nature of aesthetic judgment, perception of the aesthetic object, the nature of the art object.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active
PHIL 341
Credit Weight: 3
Transcript Title: Philosophy of Science 1
Calendar Title: Philosophy of Science 1.
Description: A discussion of philosophical problems as they arise in the context of scientific practice and enquiry. Such issues as the philosophical presuppositions of the physical and social sciences, the nature of scientific method and its epistemological implications will be addressed.
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 343
Credit Weight: 3
Transcript Title: Biomedical Ethics
Calendar Title: Biomedical Ethics.
Description: An investigation of ethical issues as they arise in the practice of medicine (informed consent, e.g.) or in the application of medical technology (in vitro fertilization, euthanasia, e.g.)
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 344
Credit Weight: 3
Transcript Title: Medieval & Renaissance Pol Theo
Calendar Title: Medieval and Renaissance Political Theory.
Description: A study of Medieval and Renaissance political theory.
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 345
Credit Weight: 3
Transcript Title: Greek Political Theory
Calendar Title: Greek Political Theory.
Description: An examination of the ethical and political theories of ancient Greece, especially those of Plato and Aristotle.
Notes: Restriction: Not open to students who have taken POLI 333
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 348
Credit Weight: 3
Transcript Title: Philosophy of Law 1
Calendar Title: Philosophy of Law 1.
Description: A discussion of the nature of justice and law, and of the relationship between them.
Notes:
Restriction: This course is intended for students with a non-professional interest in law, as well as for those considering law as a profession
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 349
Credit Weight: 3
Transcript Title: Environmental Philosophy
Calendar Title: Environmental Philosophy.
Description:
An introduction to environmental ethics; potentially also such related fields as philosophy of ecology, environmental aesthetics, and/or other philosophical topics demonstrably relevant to environmental issues.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 350
Credit Weight: 3
Transcript Title: Hist & Phil of Ancient Sci
Calendar Title: History and Philosophy of Ancient Science.
Description:
Topics in ancient pure mathematics (geometry and number theory), "mixed mathematics" (astronomy, music theory, optics, mechanics), and/or natural science (including medicine), studied with a view to philosophical issues raised by the content of ancient science and/or by the logic of scientific argument.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 353
Credit Weight: 3
Transcript Title: The Presocratic Philosophers
Calendar Title: The Presocratic Philosophers.
Description:
An examination of the surviving fragments of the presocratic philosophers and schools of philosophy, as well as later reports of their views.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 354
Credit Weight: 3
Transcript Title: Plato
Calendar Title: Plato.
Description:
An examination of some of the philosophical problems (those in logic, epistemology, metaphysics, and ethics, e.g.) found in a selection of Plato's dialogues.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 355
Credit Weight: 3
Transcript Title: Aristotle
Calendar Title: Aristotle.
Description:
An examination of selected works by Aristotle. The course considers issues in moral philosophy as well as those found in the logical treatises, the Physics and Metaphysics, and in the philosophy of mind.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active
Prerequisite: PHIL 360 or PHIL 361 is recommended

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 367
Credit Weight: 3
Transcript Title: 19th Century Philosophy
Calendar Title: 19th Century Philosophy.
Description:
An examination of the works of such 19th century philosophers as Mach, Helmholtz, Dedekind, Frege, Marx, Kierkegaard, Schopenhauer, Nietzsche, Mill and Bradley.
Notes:
Prerequisite: A previous course in philosophy is recommended

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 375
Credit Weight: 3
Transcript Title: Existentialism
Calendar Title: Existentialism.
Description:
This course will examine the nature of existentialist thought as represented in various philosophical and literary texts. Particular themes to be examined include freedom, alienation, responsibility and choice, and the nature of self.
Notes:
Prerequisite: one course in philosophy

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 397
Credit Weight: 3
Transcript Title: Tutorial 01
Calendar Title: Tutorial 01.
Description:
Individualized guided research on an approved topic in philosophy.
Notes:
Restriction: Open to second year Full Honours students in Philosophy and to other students, with consent of the Department

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 398
Credit Weight: 3
Transcript Title: Tutorial 02
Calendar Title: Tutorial 02.
Description:
Individualized guided research on an approved topic in philosophy.
Notes:
Restriction: Open to second year Full Honours students in Philosophy and to other students, with consent of the Department

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 411
Credit Weight: 3
Transcript Title: Topics in Phil of Logic & Math
Calendar Title: Topics in Philosophy of Logic and Mathematics.
Description:
A course focusing on some philosophical issue (e.g., the nature of numbers or the
relation of truth to provability) as it arises in the study of mathematics and
logic.
Notes:
Prerequisites: PHIL 210 or the equivalent, and one intermediate course in
philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 415
Credit Weight: 3
Transcript Title: Philosophy of Language
Calendar Title: Philosophy of Language.
Description:
An examination of central notions in the philosophy of language (reference,
meaning, and truth, e.g.), the puzzles these notions give rise to, and the
relevance of these notions to such questions as: What is language? How is
communication possible? What is understanding? Is language rule-governed.
Notes:
Prerequisites: PHIL 210 or equivalent and one intermediate course in philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 419
Credit Weight: 3
Transcript Title: Epistemology
Calendar Title: Epistemology.
Description:
A discussion of central topics in the theory of knowledge. The questions addressed
in the course may include: What is knowledge? Do we have any knowledge? What is
the relation between knowledge and belief? When is belief justified? Is all
knowledge conscious knowledge.
Notes:
Prerequisite: PHIL 210 or equivalent and one intermediate course in philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 421
Credit Weight: 3
Transcript Title: Metaphysics
Calendar Title: Metaphysics.
Description:
An examination of central questions in metaphysics in their historical and
contemporary forms. Topics may be chosen from such issues as: personal identity,
the nature of space and time, the nature of events and properties, possible
worlds, and the problem of realism.
PHIL 427
Credit Weight: 3
Transcript Title: Topics: Critical Phil of Race
Calendar Title: Topics in Critical Philosophy of Race.
Description:
An advanced discussion of topics in the critical philosophy of race.
Notes:
PHIL 327 or permission of the instructor.
Topics vary from year to year.

PHIL 434
Credit Weight: 3
Transcript Title: Metaethics
Calendar Title: Metaethics.
Description:
A study of the status of sentences containing moral terms, judgements about moral claims, and the nature of moral facts.
Notes:
Prerequisite: PHIL 334 or written permission of the instructor

PHIL 436
Credit Weight: 3
Transcript Title: Aesthetics 2
Calendar Title: Aesthetics 2.
Description:
An advanced discussion of issues in aesthetics.
Notes:
Prerequisite: PHIL 336 or written permission of the instructor

PHIL 441
Credit Weight: 3
Transcript Title: Philosophy of Science 2
Calendar Title: Philosophy of Science 2.
Description:
An analysis of some key philosophical ideas in science and technology, e.g. problem, explanation, forecast, testability and truth.
Notes:
Prerequisite: PHIL 341 or written permission of the instructor
PHIL 442
Credit Weight: 3
Transcript Title: Topics in Feminist Theory
Calendar Title: Topics in Feminist Theory.
Description:
Advanced discussion of topical and central themes in feminist theory.
Notes:
Prerequisite: PHIL 242 and one intermediate course in philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 444
Credit Weight: 3
Transcript Title: Early Modern Political Theory
Calendar Title: Early Modern Political Theory.
Description:
A survey of political and moral theory from the Reformation to the French
Revolution including Luther, Montaigne, Descartes, Hobbes, Locke, Rousseau and
Smith.
Notes:
Prerequisite: at least one course in political philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 445
Credit Weight: 3
Transcript Title: 19th Century Political Theory
Calendar Title: 19th Century Political Theory.
Description:
An examination of various strands of political theory since Rousseau,
concentrating on such themes as the understanding of modernity and theories of
liberal society.
Notes:
Prerequisite: at least one course in political philosophy
Restriction: Not open to students who have taken POLI 434
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 446
Credit Weight: 3
Transcript Title: Current Issues in Pol. Phil.
Calendar Title: Current Issues in Political Philosophy.
Description:
Selected issues in contemporary political philosophy.
Notes:
Prerequisite: at least one course in political philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 450
Credit Weight: 3
Transcript Title: Major Philosophers 1
Calendar Title: Major Philosophers 1.

Description:
This seminar will give detailed attention to the work of one philosopher or to a single philosophical theme addressed by several philosophers. Emphasis will be placed on understanding how the metaphysical, epistemological, and moral views of a figure or figures are internally related. Topic will vary from year to year.

Notes:
Prerequisite: one intermediate course in philosophy

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 452
Credit Weight: 3
Transcript Title: Later Greek Philosophy
Calendar Title: Later Greek Philosophy.

Description:
An examination of some of the major post-Aristotelian schools of philosophy. Texts from the Peripatetic, Stoic, Epicurean, Sceptical, Platonic, and medical traditions may be considered. Problems in logic, ethics, physics, epistemology, and metaphysics will be addressed.

Notes:
Prerequisite: PHIL 354 or PHIL 355

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 453
Credit Weight: 3
Transcript Title: Ancient Metaphys&Naturl Phil
Calendar Title: Ancient Metaphysics and Natural Philosophy.

Description:
An examination of central themes of ancient metaphysics and/or natural philosophy as treated by two or more contrasting philosophers or philosophical traditions - probably including Plato and/or Aristotle, and possibly including some Hellenistic or post-Hellenistic schools.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 454
Credit Weight: 3
Transcript Title: Ancient Moral Theory
Calendar Title: Ancient Moral Theory.

Description:
An examination of central themes of ancient moral theory as treated by two or more contrasting philosophers or philosophical traditions - probably including Plato and/or Aristotle, and possibly some Hellenistic or post-Hellenistic schools.

Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 460
Credit Weight: 3
Transcript Title: Major Philosophers 2
Calendar Title: Major Philosophers 2.
Description:
This seminar will give detailed attention to the work of one philosopher or to a single philosophical theme addressed by several philosophers. Emphasis will be placed on understanding how the metaphysical, epistemological, and moral views of a figure or figures are internally related.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 470
Credit Weight: 3
Transcript Title: Topics in Contem Analytic Phil
Calendar Title: Topics in Contemporary Analytic Philosophy.
Description:
An advanced discussion of major themes in the analytic tradition.
Notes:
Prerequisite: PHIL 370, PHIL 415 or written permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 474
Credit Weight: 3
Transcript Title: Phenomenology
Calendar Title: Phenomenology.
Description:
A study of phenomenology from a historical and thematic perspective. The course will typically involve the study of central thinkers such as Husserl, Heidegger, or Merleau-Ponty, with an examination of the nature and development of the phenomenological movement.
Notes:
Prerequisite: one intermediate course in philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 475
Credit Weight: 3
Transcript Title: Topics in Contem European Phil
Calendar Title: Topics in Contemporary European Philosophy.
Description:
Advanced discussion of selected themes in contemporary European philosophy.
Notes:
Prerequisite: one intermediate course in philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 480
Credit Weight: 3
Transcript Title: Topics in the History of Phil
Calendar Title: Topics in the History of Philosophy.
Description:
An advanced discussion of some theme and/or problem in the history of philosophy.
Notes:
Prerequisite: one intermediate course in philosophy
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 481
Credit Weight: 3
Transcript Title: Topics in Philosophy
Calendar Title: Topics in Philosophy.
Description:
Topics in philosophy. Topic varies by year.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 497
Credit Weight: 3
Transcript Title: Tutorial 04
Calendar Title: Tutorial 04.
Description:
Open to third year Full Honours students in Philosophy, and to other students, with consent of the Department.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 497N1
Credit Weight: 1.5
Transcript Title: Tutorial 04
Calendar Title: Tutorial 04.
Description:
Open to third year Full Honours students in Philosophy, and to students in Philosophy, and to Department.
Notes:
Students must also register for PHIL 497N2
No credit will be given for this course unless both PHIL 497N1 and PHIL 497N2 are successfully completed in a twelve month period
PHIL 497N1 and PHIL 497N2 together are equivalent to PHIL 497
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 497N2
Credit Weight: 1.5
Transcript Title: Tutorial 04
Calendar Title: Tutorial 04.
Description:
See PHIL 497N1 for course description.
Notes:
Prerequisite: PHIL 497N1
No credit will be given for this course unless both PHIL 497N1 and PHIL 497N2 are successfully completed in a twelve month period
PHIL 497N1 and PHIL 497N2 together are equivalent to PHIL 497
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active
PHIL 498
Credit Weight: 3
Transcript Title: Tutorial 05
Calendar Title: Tutorial 05.
Description:
Open to third year Joint Honours students in Philosophy, and to other students, with consent of the Department.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 498N1
Credit Weight: 1.5
Transcript Title: Tutorial 05
Calendar Title: Tutorial 05.
Description:
Open to third year Joint Honours students in Philosophy, and to other students, with consent of the Department.
Notes:
Students must also register for PHIL 498N2
No credit will be given for this course unless both PHIL 498N1 and PHIL 498N2 are successfully completed in a twelve month period
PHIL 498N1 and PHIL 498N2 together are equivalent to PHIL 498
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 498N2
Credit Weight: 1.5
Transcript Title: Tutorial 05
Calendar Title: Tutorial 05.
Description:
See PHIL 498N1 for course description.
Notes:
Prerequisite: PHIL 498N1
No credit will be given for this course unless both PHIL 498N1 and PHIL 498N2 are successfully completed in a twelve month period
PHIL 498N1 and PHIL 498N2 together are equivalent to PHIL 498
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 499
Credit Weight: 6
Transcript Title: Tutorial 06
Calendar Title: Tutorial 06.
Description:
Open to third year Full Honours students in Philosophy, and to other students, with consent of the Department.
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 499D1
Credit Weight: 3
Transcript Title: Tutorial 06
Calendar Title: Tutorial 06.
Description:
Open to third year Full Honours students in Philosophy, and to other students, with consent of the Department.
Notes:
Students must register for both PHIL 499D1 and PHIL 499D2.
No credit will be given for this course unless both PHIL 499D1 and PHIL 499D2 are successfully completed in consecutive terms
PHIL 499D1 and PHIL 499D2 together are equivalent to PHIL 499
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 499D2
Credit Weight: 3
Transcript Title: Tutorial 06
Calendar Title: Tutorial 06.
Description:
See PHIL 499D1 for course description.
Notes:
Prerequisite: PHIL 499D1
No credit will be given for this course unless both PHIL 499D1 and PHIL 499D2 are successfully completed in consecutive terms
PHIL 499D1 and PHIL 499D2 together are equivalent to PHIL 499
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 499N1
Credit Weight: 3
Transcript Title: Tutorial 06
Calendar Title: Tutorial 06.
Description:
Open to third year Full Honours students in Philosophy, and to other students, with consent of the Department.
Notes:
Students must also register for PHIL 499N2
No credit will be given for this course unless both PHIL 499N1 and PHIL 499N2 are successfully completed in a twelve month period
PHIL 499N1 and PHIL 499N2 together are equivalent to PHIL 499
Administrating Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 499N2
Credit Weight: 3
Transcript Title: Tutorial 06
Calendar Title: Tutorial 06.
Description:
See PHIL 499N1 for course description.
Notes:
Prerequisite: PHIL 499N1
No credit will be given for this course unless both PHIL 499N1 and PHIL 499N2 are successfully completed in a twelve month period
PHIL 499N1 and PHIL 499N2 together are equivalent to PHIL 499
Administering Faculty: Faculty of Arts
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 598
Credit Weight: 3
Transcript Title: Tutorial 07
Calendar Title: Tutorial 07.
Description: Individualized guided research on an approved topic in philosophy.
Notes: Restriction(s): Open only to students in the Philosophy Honours and Joint Honours programmes.

PHIL 606
Credit Weight: 3
Transcript Title: Seminar: Philosophy of Mind
Calendar Title: Seminar: Philosophy of Mind.
Description: An advanced course devoted to specific topics in the philosophy of mind.
Notes: Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 506.

PHIL 607
Credit Weight: 6
Transcript Title: Pro-Seminar 1
Calendar Title: Pro-Seminar 1.
Description: A series of seminars on selected topics designed for professional training to graduate students. Topics will be selected from the general area of Value Theory.

PHIL 609
Credit Weight: 3
Transcript Title: Seminar:Cognitive Science
Calendar Title: Seminar: Cognitive Science.
Description: An advanced discussion of a topic of philosophical interest arising from contemporary empirical work in cognitive science.
Notes: Prerequisite(s): PHIL 306, PHIL 415 or written permission of the instructor
Restriction(s): Not open to students who have taken PHIL 507.

PHIL 610
Credit Weight: 3
Transcript Title: Seminar on Advanced Logic 2
Calendar Title: Seminar on Advanced Logic 2.
Description: Seminar on a particular topic in advanced logic. Topic varies by year.
Notes: Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 510.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 611
Credit Weight: 3
Transcript Title: Sem: Phil of Logic & Math
Calendar Title: Seminar: Philosophy of Logic and Mathematics.
Description: Seminar on a particular topic in philosophy of logic and mathematics.
Notes: Restriction(s): Not open to students who have taken PHIL 511.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 615
Credit Weight: 3
Transcript Title: Sem:Philosophy of Language
Calendar Title: Seminar: Philosophy of Language.
Description: An advanced course devoted to a topic in the philosophy of language.
Notes: Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 515.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 619
Credit Weight: 3
Transcript Title: Seminar:Epistemology
Calendar Title: Seminar: Epistemology.
Description: An advanced course devoted to a topic in the theory of knowledge.
Notes: Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 519.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 621
Credit Weight: 3
Transcript Title: Seminar: Metaphysics
Calendar Title: Seminar: Metaphysics.
Description: An advanced course devoted to a topic in metaphysics.
Notes:
Restriction(s): Not open to students who have taken PHIL 521.
Prerequisite(s): Permission of the instructor.

Administering Faculty: Graduate Studies

Teaching Department: Philosophy

Status (catalog level): Active

PHIL 624
Credit Weight: 3
Transcript Title: Seminar: Hist & Phil of Science
Calendar Title: Seminar: History and Philosophy of Science.

Description:
An advanced course devoted to a topic on the history and philosophy of science.

Administering Faculty: Graduate Studies

Teaching Department: Philosophy

Status (catalog level): Active

PHIL 627
Credit Weight: 3
Transcript Title: Seminar: Critical Phil of Race
Calendar Title: Seminar: Critical Philosophy of Race.

Description:
An advanced course examining a question, theme, or thinker in the critical philosophy of race.

Notes:
Permission of the instructor.
Topic varies by year depending on the instructor. Approaches range from the historical to the contemporary, from the thematic to a focus on the works of particular thinkers.

Administering Faculty: Graduate Studies

Teaching Department: Philosophy

Status (catalog level): Active

PHIL 634
Credit Weight: 3
Transcript Title: Seminar: Ethics
Calendar Title: Seminar: Ethics.

Description:
Seminar on a particular topic in ethics. Topic varies by year.

Notes:
Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 534.

Administering Faculty: Graduate Studies

Teaching Department: Philosophy

Status (catalog level): Active

PHIL 635
Credit Weight: 3
Transcript Title: Seminar: History of Ethics
Calendar Title: Seminar: History of Ethics.

Description:
An advanced course devoted to a topic on the history of ethics.

Administering Faculty: Graduate Studies

Teaching Department: Philosophy

Status (catalog level): Active
PHIL 636
Credit Weight: 3
Transcript Title: Seminar: Aesthetics
Calendar Title: Seminar: Aesthetics.
Description:
An advanced course devoted to a specific topic in the area of aesthetics and/or the philosophy of art.
Notes:
Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 536.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 641
Credit Weight: 3
Transcript Title: Seminar: Philosophy of Science
Calendar Title: Seminar: Philosophy of Science.
Description:
An advanced course devoted to a topic in the philosophy of science.
Notes:
Prerequisite: Permission of instructor.
Restriction: Not open to students who have taken PHIL 541.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 642
Credit Weight: 3
Transcript Title: Seminar: Feminist Theory
Calendar Title: Seminar: Feminist Theory.
Description:
An advanced course devoted to a specific topic in feminist theory: e.g., a major figure; or theme, such as sex/gender, embodiment, race, subjectivity, agency, representation, politics, nature/culture, discourse and power; or a feminist approach to the history of philosophy, ethics, social/political philosophy, epistemology, philosophy of science, phenomenology, or metaphysics.
Notes:
Prerequisite(s): Any 400-level, 3-credit course in political philosophy, or permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 542.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 643
Credit Weight: 3
Transcript Title: Seminar: Medical Ethics
Calendar Title: Seminar: Medical Ethics.
Description:
An advanced course devoted to a particular philosophical problem as it arises in the context of medical practice or the application of medical technology.
Notes:
Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 543.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 644
Credit Weight: 3
Transcript Title: Political Theory
Calendar Title: Political Theory.
Description:
Seminar on a particular topic in political theory.
Notes:
Restriction(s): Not open to students who have taken PHIL 544.

PHIL 648
Credit Weight: 3
Transcript Title: Seminar: Philosophy of Law
Calendar Title: Seminar: Philosophy of Law.
Description:
An advanced course devoted to a particular topic in the philosophy of law. Subject varies from year to year.
Notes:
Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 548.

PHIL 650
Credit Weight: 3
Transcript Title: Seminar: Ancient Philosophy 1
Calendar Title: Seminar: Ancient Philosophy 1.
Description:
Seminar on a particular topic in ancient philosophy. Topic varies by year.
Notes:
Restriction(s): Not open to students who have taken PHIL 550.

PHIL 651
Credit Weight: 3
Transcript Title: Seminar: Ancient Philosophy 2
Calendar Title: Seminar: Ancient Philosophy 2.
Description:
An advanced course on a philosopher or philosophical issue articulated in antiquity.
Notes:
Prerequisite(s): at least one course in ancient philosophy and the specific requirements of individual instructors.
Restriction(s): Not open to students who have taken PHIL 551.
PHIL 656
Credit Weight: 3
Transcript Title: Medieval Philosophy
Calendar Title: Medieval Philosophy.
Description: An advanced course devoted to a particular topic in medieval philosophy. Subject varies from year to year.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 660
Credit Weight: 3
Transcript Title: Sem: 17th Century Phil
Calendar Title: Seminar: 17th Century Philosophy.
Description: An advanced course on a seventeenth-century philosopher or philosophical issue.
Notes: Prerequisite(s): PHIL 360 or written permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 560.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 661
Credit Weight: 3
Transcript Title: Sem: 18th Century Philosophy
Calendar Title: Seminar: 18th Century Philosophy.
Description: An advanced course on an eighteenth-century philosopher or philosophical issue.
Notes: Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 561.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 667
Credit Weight: 3
Transcript Title: Sem: 19th Century Philosophy
Calendar Title: Seminar: 19th Century Philosophy.
Description: An advanced course on 19th-century philosophy or philosophical issue.
Notes: Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 567.
Administrating Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 670
Credit Weight: 3
Transcript Title: Sem: Contemporary Analytic Phil
Calendar Title: Seminar: Contemporary Analytic Philosophy.
Description:
An advanced course on some major analytic philosopher, or some issue of central importance in the analytic tradition.

Notes:
Prerequisite(s): Permission of the instructor.
Restriction(s): Not open to students who have taken PHIL 570.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 675
Credit Weight: 3
Transcript Title: Sem: Contemporary European Phil
Calendar Title: Seminar: Contemporary European Philosophy.
Description: An advanced course on contemporary European philosophy or some important issue in the Continental tradition.
Notes:
Prerequisite(s): Permission of instructor.
Restriction(s): Not open to students who have taken PHIL 575.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 680
Credit Weight: 3
Transcript Title: Sem: Problems of Phil 1
Calendar Title: Seminar: Problems of Philosophy 1.
Description: Seminar on a particular topic in philosophy. Topic varies by year.
Notes:
Restriction(s): Not open to students who have taken PHIL 580.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 682
Credit Weight: 6
Transcript Title: Pro-Seminar 3
Calendar Title: Pro-Seminar 3.
Description: A series of seminars on selected topics designed to provide professional training to graduate students. Topics will be selected from the general area of Metaphysics/Epistemology.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 685
Credit Weight: 3
Transcript Title: Fundamentals of Logic
Calendar Title: Fundamentals of Logic.
Description: A course in intermediate logic for graduate students in Philosophy, covering such topics as axiomatic systems, formal semantics, consistency, completeness, the limitative results, intuitionistic logic, formal theories of truth, aspects of the development of logic.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 689
Credit Weight: 3
Transcript Title: Sem: Spec Topics in Philosophy
Calendar Title: Seminar: Special Topics in Philosophy.
Description:
Psychoanalysis: a critical examination. Depending on the interests of the class, areas covered would include: psychoanalytic epistemology, psychoanalysis and the pre-socratics, psychoanalysis and tragedy, reasons versus causes in psychoanalysis, hermeneutics, psychoanalytic truth, self-deception, irrationality, paradox, creativity, internal object world and its relation to external objects.
Notes:
Prerequisite(s): one course in philosophy
Restriction(s): Not open to students who have taken PHIL 590.

PHIL 690
Credit Weight: 3
Transcript Title: Candidacy Paper
Calendar Title: Candidacy Paper.
Description:
Preparation and submission of candidacy research paper.

PHIL 702
Credit Weight: 3
Transcript Title: Seminar: Teaching Philosophy
Calendar Title: Seminar: Teaching Philosophy.
Description:
Introduction to teaching and learning issues, methods, and traditions that are specific to the discipline of philosophy, focusing on what successful teaching looks like in philosophy from a theoretical point of view.
Notes:
Restriction: All PhD students in philosophy

PHIL 703
Credit Weight: 1
Transcript Title: Teaching Reflection & Practice
Calendar Title: Teaching Reflection and Practice.
Description:
Course design, development, delivery, and evaluation of a course that the student has been assigned to teach. Aspects of course design and in-class student evaluations will be provided by a Faculty mentor.
Notes:
Prerequisite: PHIL 702
Restriction: Graduate students in philosophy
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 705
Credit Weight: 3
Transcript Title: Guided Research in Ethics 1
Calendar Title: Guided Research in Ethics 1.
Description: Guided research on a theme and/or problem in ethics.

Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 706
Credit Weight: 3
Transcript Title: Guided Research in Ethics 2
Calendar Title: Guided Research in Ethics 2.
Description: Guided research on a theme and/or problem in ethics.

Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 711
Credit Weight: 3
Transcript Title: Guided Research in Logic 2
Calendar Title: Guided Research in Logic 2.
Description: Guided research on a theme and/or problem in logic

Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 720
Credit Weight: 3
Transcript Title: Guided Res: Phil of Science 1
Calendar Title: Guided Research: Philosophy of Science 1.
Description: Guided research on a theme and/or problem in the philosophy of science.

Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 721
Credit Weight: 3
Transcript Title: Guided Res: Phil of Science 2
Calendar Title: Guided Research: Philosophy of Science 2.
Description: Guided research on a theme and/or problem in the philosophy of science.

Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 731
Credit Weight: 3
Transcript Title: Guided Res: Phil of Religion 2
Calendar Title: Guided Research: Philosophy of Religion 2.
Description: Guided research on a theme and/or problem in the philosophy of religion.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 741
Credit Weight: 3
Transcript Title: Guided Res: Ancient Phil 2
Calendar Title: Guided Research: Ancient Philosophy 2.
Description: Guided research on a theme and/or problem in ancient philosophy.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 760
Credit Weight: 3
Transcript Title: Guided Res: Hist of Phil 1
Calendar Title: Guided Research: History of Philosophy 1.
Description: Guided research on a theme and/or problem in the history of philosophy.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 761
Credit Weight: 3
Transcript Title: Guided Res: Hist of Phil 2
Calendar Title: Guided Research: History of Philosophy 2.
Description: Guided research on a theme and/or problem in the history of philosophy.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 770
Credit Weight: 3
Transcript Title: Guided Res: Phil of Politics 1
Calendar Title: Guided Research: Philosophy of Politics 1.
Description: Guided research on a theme and/or problem in the philosophy of politics.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 771
Credit Weight: 3
Transcript Title: Guided Res: Phil of Politics 2
Calendar Title: Guided Research: Philosophy of Politics 2.
Description: Guided research on a theme and/or problem in the philosophy of politics.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 780
Credit Weight: 3
Transcript Title: Guid Res:Epistem/Metaphys 1
Calendar Title: Guided Research: Epistemology/Metaphysics 1.
Description: Guided research on a theme and/or problem in epistemology/metaphysics.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active

PHIL 781
Credit Weight: 3
Transcript Title: Guid Res:Epistem/Metaphys 2
Calendar Title: Guided Research: Epistemology/Metaphysics 2.
Description: Guided research on a theme and/or problem in epistemology/metaphysics.
Administering Faculty: Graduate Studies
Teaching Department: Philosophy
Status (catalog level): Active
PHTH 201
Credit Weight: 1
Transcript Title: Sports Medicine Practicum 1
Calendar Title: Sports Medicine Practicum 1.
Description:
This course is the first in a series of three courses intended to provide students with a directed, practical experience in pre-event, on-field and post-event sports therapy interventions. Students will be introduced to current concepts in sports medicine. Students will work closely with one of the McGill varsity teams, as well as intra- and interprofessionally with the staff of the McGill Sport Medicine Clinic (including physiotherapists, athletic therapists, physicians, and other allied health-care professionals).
Notes:
Prerequisite(s): PHTH 245; ANAT 315; PHGY 209; ANAT 316; PHGY 210; POTH 225; POTH 250. Valid CPR-AED level HCP certificate (before the practical work starts). Interviews and selection from the McGill Sport Medicine Clinic staff is required for this course (team allocation will be determined after the interview according to interview performance, availability and student interests).
Restriction(s): This course is only open to second year students in the B.Sc.(Rehabilitation Science); Major in Physical Therapy.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 202
Credit Weight: 1
Transcript Title: Sports Medicine Practicum 2
Calendar Title: Sports Medicine Practicum 2.
Description:
This course is the second in a series of three courses intended to provide students with a directed, practical experience in pre-event, on-field and post-event sports therapy interventions. Students will continue to build their knowledge on current concepts in sports medicine. Students will work closely with one of the McGill varsity teams, as well as intra- and interprofessionally with the staff of the McGill Sport Medicine Clinic (including physiotherapists, athletic therapists, physicians, and other allied health-care professionals).
Notes:
Prerequisite(s): PHTH 201. Valid CPR-AED level HCP certificate (before the practical work starts).
Restriction(s): This course is only open to second year students in the B.Sc.(Rehabilitation Science); Major in Physical Therapy.
This course is the second part of a series of three courses (PHTH 201, PHTH 202, PHTH 303), which together are equivalent to a 3-credit complementary course. The students are required to take the three courses to complete their complementary course requirement.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 245
Credit Weight: 3
Transcript Title: Intro to Prof Practice 1
Calendar Title: Introduction to Professional Practice 1.
Description:
Physical therapy and its domains through promoting health and well-being of individuals across the life span.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 301
Credit Weight: 3
Transcript Title: Sports Medicine Practicum
Calendar Title: Sports Medicine Practicum.
Description:
This course is intended to provide students with a directed, practical experience in pre-event, on-field and post-event sports therapy interventions. Students will be introduced to current concepts in sports medicine. Students will work closely with at least one of the McGill varsity teams, as well as intra- and interprofessionally with the staff of the McGill Sport Medicine Clinic (including physiotherapists, athletic therapists, physicians, and other allied health-care professionals).

Notes:
Prerequisite(s): PHTH 245; ANAT 315; PHGY 209; ANAT 316; PHGY 210; POTH 225; POTH 250. Students require a valid CPR-AED level HCP certificate before the practical work begins. Required interviews and selection process for this course will be conducted by the McGill Sport Medicine Clinic staff.
Restriction: Only open to U2 of the B.Sc. (Rehabilitation Science) students. Team allocation will be determined after the interview according to interview performance, availability and student interests.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 301D1
Credit Weight: 1.5
Transcript Title: Sports Medicine Practicum
Calendar Title: Sports Medicine Practicum.
Description:
This course is intended to provide students with a directed, practical experience in pre-event, on-field and post-event sports therapy interventions. Students will be introduced to current concepts in sports medicine. Students will work closely with at least one of the McGill varsity teams, as well as intra- and interprofessionally with the staff of the McGill Sport Medicine Clinic (including physiotherapists, athletic therapists, physicians, and other allied health-care professionals).

Notes:
Students must register for both PHTH 301D1 and PHTH 301D2
No credit will be given for this course unless both PHTH 301D1 and PHTH 301D2 are successfully completed in consecutive terms
Prerequisites: PHTH 245; ANAT 315; PHGY 209; ANAT 316; PHGY 210; POTH 225; POTH 250. Students require a valid CPR-AED level HCP certificate before the practical work begins. Required interviews and selection process for this course will be conducted by the McGill Sport Medicine Clinic staff.
Restrictions: Only open to U2 of the B.Sc. (Rehabilitation Science) students. Team allocation will be determined after the interview according to interview performance, availability and student interests.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 301D2
Credit Weight: 1.5
Transcript Title: Sports Medicine Practicum
Calendar Title: Sports Medicine Practicum.
Description:
See PHTH 301D1 for description.
Notes:
Prerequisite: PHTH 301D1 and PHTH 245; ANAT 315; PHGY 209; ANAT 316; PHGY 210; POTH 225; POTH 250. Students require a valid CPR-AED level HCP certificate before the practical work begins. Required interviews and selection process for this course will be conducted by the McGill Sport Medicine Clinic staff. No credit will be given for this course unless both PHTH 301D1 and PHTH 301D2 are successfully completed in consecutive terms. Restrictions: Only open to U2 of the B.Sc.(Rehabilitation Science) students. Team allocation will be determined after the interview according to interview performance, availability and student interests.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 303
Credit Weight: 1
Transcript Title: Sports Medicine Practicum 3
Calendar Title: Sports Medicine Practicum 3.
Description:
This course is the third in a series of three courses intended to provide students with a directed, practical experience in pre-event, on-field and post-event sports therapy interventions. Students will continue to build and integrate their knowledge on current concepts in sports medicine. Students will work closely with one of the McGill varsity teams, as well as intra- and interprofessionally with the staff of the McGill Sport Medicine Clinic (including physiotherapists, athletic therapists, physicians, and other allied health-care professionals).
Notes:
Prerequisite(s): PHTH 202. Valid CPR-AED level HCP certificate (before the practical work starts).
Restriction(s): This course is only open to third year students in the B.Sc.(Rehabilitation Science); Major in Physical Therapy. This course is the third part of a series of three courses (PHTH 201, PHTH 202, PHTH 303), which together are equivalent to a 3-credit complementary course. The students are required to take the three courses to complete their complementary course requirement.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 440
Credit Weight: 3
Transcript Title: Clinical Exercise Physiology
Calendar Title: Clinical Exercise Physiology.
Description:
Safe and effective prescription of exercise as a preventive and therapeutic tool in patients suffering from clinical conditions.
Notes:
Restriction: Open only to PT students - School of Physical & Occupational Therapy.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
**PTTH 450**

*Credit Weight:* 3  
*Transcript Title:* Intro to PT Clinical Practice  
*Calendar Title:* Introduction to PT Clinical Practice.  
*Description:* In this course, students will be introduced to clinical skills applicable to various physiotherapy domains of practice. Through clinical skills laboratories, self-directed learning, and interactive learning sessions, students will be developing observation skills, as well as analyzing normal and common deviant movements. They will also be introduced to the development of hypotheses to explain movement impairment. Throughout the course, emphasis will be put on palpation and patient handling skills.  
*Notes:*  
Prerequisite(s): PHTH 245 and POTH 250  
Restriction(s): Open only to PT students - School of Physical & Occupational Therapy  
*Administering Faculty:* School of Phys & Occ Therapy  
*Teaching Department:* Phys and Occ Therapy  
*Status (catalog level):* Active

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**PTTH 550**

*Credit Weight:* 7  
*Transcript Title:* PT Orthopedic Management  
*Calendar Title:* Physical Therapy Orthopedic Management.  
*Description:* Evaluation and treatment in a neuromuscular framework.  
*Notes:*  
Prerequisites: ANAT 315 or EDKP 206 or equivalent, EDKP 395 or equivalent as judged by the admission process  
*Administering Faculty:* School of Phys & Occ Therapy  
*Teaching Department:* Phys and Occ Therapy  
*Status (catalog level):* Active

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**PTTH 551**

*Credit Weight:* 4  
*Transcript Title:* PT Neuro Rehabilitation  
*Calendar Title:* Physical Therapy Neurological Rehabilitation.  
*Description:* Principles of neurorehabilitation motor learning and neuroplasticity including assessment and treatment.  
*Notes:*  
Prerequisites: ANAT 321, POTH 455. Restriction: Not open to students who have taken OCC1 335 and PHTH 338.  
*Administering Faculty:* School of Phys & Occ Therapy  
*Teaching Department:* Phys and Occ Therapy  
*Status (catalog level):* Active

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**PTTH 554**

*Credit Weight:* 2  
*Transcript Title:* PT Cardiorespiratory Rehab  
*Calendar Title:* PT Cardiorespiratory Rehabilitation.  
*Description:* Introduction to the principles of cardiorespiratory physical therapy. Students will gain the necessary theoretical knowledge pertaining to the pathophysiology of various medical and surgical respiratory conditions as well as the practical
skills needed for evaluating and treating such acute and chronic conditions. This course introduces students to the clinical decision making process involved in the planning, implementation and progression of a cardiorespiratory physiotherapy treatment program.

**Notes:**
Prerequisites: ANAT 316, PHTH 225, PHTH 440, PHGY 209, or equivalent as judged by the admission process.

**Administering Faculty:** School of Phys & Occ Therapy
**Teaching Department:** Phys and Occ Therapy
**Status (catalog level):** Active

**PHTH 560**
**Credit Weight:** 6
**Transcript Title:** Integrated Ortho Management
**Calendar Title:** Integrated Orthopedic Management.
**Description:**
Assessment and treatment of patients with multiple comorbidities or multiple injuries that require a multidisciplinary approach, integrated intervention strategies, life-style changes, integration into the work force and/or reintegration into the community.

**Notes:**
Prerequisite: PHTH 550.

**Administering Faculty:** School of Phys & Occ Therapy
**Teaching Department:** Phys and Occ Therapy
**Status (catalog level):** Active

**PHTH 561**
**Credit Weight:** 5
**Transcript Title:** Integrated Neuro Rehab
**Calendar Title:** Integrated Neurological Rehabilitation.
**Description:**
PT assessment and treatment of clients with complex problems and/or multiple handicaps.

**Notes:**
Prerequisite: PHTH 551

**Administering Faculty:** School of Phys & Occ Therapy
**Teaching Department:** Phys and Occ Therapy
**Status (catalog level):** Active

**PHTH 564**
**Credit Weight:** 3
**Transcript Title:** Integrated Cardioresp. Rehab.
**Calendar Title:** Integrated Cardiorespiratory Rehabilitation.
**Description:**
Building on previously learned knowledge of cardiorespiratory physiotherapy, students will gain conceptual and procedural knowledge and skills for the physiotherapy assessment and management of patients with various cardiovascular and respiratory conditions, patients undergoing lung/heart-lung transplantation, and critically ill patients managed in the intensive care unit (ICU). This course aims to enhance critical thinking and problem-solving skills in the area of cardiovascular and respiratory physiotherapy through interactive lectures as well as case-based labs run at the McGill Simulation center.

**Notes:**
Prerequisites: PHTH 554 or permission from the instructor.

**Administering Faculty:** School of Phys & Occ Therapy
**Teaching Department:** Phys and Occ Therapy
**Status (catalog level):** Active
PHTH 570
Credit Weight: 3
Transcript Title: Strategies in PT Prof Practice
Calendar Title: Strategies in Physical Therapy Professional Practice.
Description:
Study and analysis of strategies and systems which impact the role of the occupational and physical therapy professional in health service delivery settings. This course includes selected topics on professional competence, healthcare environments and service delivery models, administration and management.
Notes:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 571
Credit Weight: 7
Transcript Title: PT Clinical Practicum 1
Calendar Title: PT Clinical Practicum 1.
Description:
A first clinical practicum course.
Notes:
Prerequisite: PHTH 550, PHTH 551, PHTH 552 (or PHTH 554 and PHTH 564), PHTH 560, PHTH 561.
**Due to the COVID-19 situation, add/drop is the tenth lecture day and withdrawal is the twelfth lecture day.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 572
Credit Weight: 7
Transcript Title: PT Clinical Practicum 2
Calendar Title: PT Clinical Practicum 2.
Description:
A second clinical practicum including advanced skills in assessment and treatment management in a core area of practice.
Notes:
Prerequisite: PHTH 571
**Due to the length of the clinical course, add/drop is the sixth lecture day and withdrawal is the eleventh lecture day.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 573
Credit Weight: 8
Transcript Title: PT Clinical Practicum 3
Calendar Title: PT Clinical Practicum 3.
Description:
Advanced assessment and treatment management in an area of practice.
Notes:
Prerequisite: PHTH 571, PHTH 572
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

**PHTH 606**
**Credit Weight:** 2  
**Transcript Title:** Intro to Pediatric PT  
**Calendar Title:** Introduction to Pediatric Physical Therapy.  
**Description:** This course introduces the principles of pediatric habilitation and rehabilitation pertinent to the practice of physical therapy.  
**Notes:** Prerequisite(s): Successful completion of the QY/U3 PT year.  
Restriction(s): Restricted to MSc.(A) PT M1 students.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**PHTH 620**
**Credit Weight:** 7  
**Transcript Title:** PT Clinical Practicum 4  
**Calendar Title:** PT Clinical Practicum 4.  
**Description:** Final clinical practicum in an area of practice.  
**Notes:** Prerequisite: PHTH 571, PHTH 572, PHTH 573  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**PHTH 622**
**Credit Weight:** 3  
**Transcript Title:** Integrated Pain Management  
**Calendar Title:** Integrated Pain Management.  
**Description:** This M1 entry-level physiotherapy course focuses on understanding and managing complex and chronic pain conditions. Through lectures, personal reflection, interactive class activities, case study analyses, quizzes, assignments and practical lab activities, students will develop a conceptual framework for approaching the clinical assessment and management of pain and pain-related disability. By the end of the course, students will be ready to apply this framework within clinical settings.  
**Notes:** Prerequisites: Clinical Affiliation 1 & 2 or permission of instructor. PHTH 552 (or PHTH 554 and PHTH 564), PHTH 561.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**PHTH 623**
**Credit Weight:** 4  
**Transcript Title:** Differential Dx and Management  
**Calendar Title:** Differential Diagnosis and Management.  
**Description:** Building on previously learned orthopaedic knowledge, screening for medical conditions and establishing functional differential diagnosis.  
**Notes:** Prerequisites: PHTH 550, PHTH 560.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 633
Credit Weight: 1
Transcript Title: X-Ray Rx for PT
Calendar Title: X-Ray Prescription for Physical Therapy.
Description: Requirements for X-ray prescription described by the Québec Code des Professions (chapter M-9, r. 4).
Notes: Corequisites: PHTH 623
Restrictions: Open only to students in the M.Sc.(A.) in Physical Therapy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 641
Credit Weight: 3
Transcript Title: Topics in Cardioresp Rehab
Calendar Title: Topics in Cardiorespiratory Rehabilitation.
Description: Exploration of new research concepts related to cardiorespiratory rehabilitation outcome measures and treatment techniques used in the management of patients with various medical, surgical, neurological and cardiorespiratory conditions.
Notes: Prerequisite: PHTH 552 (or PHTH 554 and PHTH 564)
Restriction: Open only to students registered in the following programs: M.Sc. (Applied) in Physical Therapy and M.Sc. in Rehabilitation Science. Open to other students by permission of instructor only.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 645
Credit Weight: 3
Transcript Title: Pelvic Floor Rehabilitation
Calendar Title: Pelvic Floor Rehabilitation.
Description: This course explores the physiotherapy approach to pelvic floor disorders, with an in-depth focus on urinary incontinence. Students will understand the role of the pelvic floor in relation to urinary, sexual and ano-rectal function, and acquire the ability to evaluate and treat patients suffering urinary incontinence.
Notes: Prerequisite: PHTH 623
Restriction: Open to students in the MSc (A) in Physical Therapy. Open to other students by permission of instructor only.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 652
Credit Weight: 3
Transcript Title: Integrated Clin Excer Rehab
Calendar Title: Integrated Clinical Exercise Rehabilitation.
Description: This case-based course aims to provide students with an in-depth knowledge of exercise rehabilitation as a preventative and therapeutic tool in patients with selective chronic diseases and disabilities across the lifespan. This course aims to enhance critical thinking and problem-solving skills through interactive lectures, clinical reasoning workshops and assignments.
Notes: Prerequisite(s): PHTH 440 and PHTH 552 (or PHTH 554 and PHTH 564).
Restriction(s): Restricted to MSc(A) PT M1 Students.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 661
Credit Weight: 3
Transcript Title: Sport Physiotherapy
Calendar Title: Sport Physiotherapy.
Description: Injury prevention for recreational and elite athletes and rehabilitation of injured athletes.
Notes: Prerequisite: PHTH 623
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

PHTH 662
Credit Weight: 3
Transcript Title: Advanced Manual Therapy
Calendar Title: Advanced Manual Therapy.
Description: Use of manual therapy in the assessment and treatment of patients with musculoskeletal disorders.
Notes: Prerequisites: PHTH 551, PHTH 552 (or PHTH 554 and PHTH 564) , PHTH 623
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
PHWR 300
Credit Weight: 3
Transcript Title: Philosophy & West. Religions 1
Calendar Title: Philosophy and Western Religions 1.
Description:
Introduction to the encounter between philosophy and the Abrahamic religions, Judaism, Christianity, and Islam, from Antiquity to the 12th Century, covering the philosophical sources (Plato to Neoplatonism), the religious sources (Bible to Qu'ran), and their manifold syntheses in the thought of theologians, philosophers and mystics within the three religious traditions.
Notes:
Restrictions: Open to students in Philosophy & Western Religions, Islamic Studies, Jewish Studies, Philosophy, Religious Studies, and to students of other units with permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

PHWR 301
Credit Weight: 3
Transcript Title: Philosophy & West. Religions 2
Calendar Title: Philosophy and Western Religions 2.
Description:
Introduction to the encounter between philosophy and the three Abrahamic religions, Judaism, Christianity, and Islam, from the 13th Century to the Enlightenment, covering the manifold syntheses of philosophical and religious ideas in thinkers from the Later Middle Ages, the Renaissance, the 17th Century and the Enlightenment.
Notes:
Prerequisite: PHWR 300 or permission of the instructor.
Restrictions: Open to students in Philosophy & Western Religions, Islamic Studies, Jewish Studies, Philosophy, Religious Studies, and to students of other units with permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

PHWR 400
Credit Weight: 3
Transcript Title: Joint Honours/Honours Tutorial
Calendar Title: Joint Honours/Honours Tutorial.
Description:
Guided reading and research for Joint Honours and Honours students in their final year.
Notes:
Restrictions: Open to Joint Honours and Honours students in Philosophy & Western Religions in their final year.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

PHWR 401
Credit Weight: 3
Transcript Title: Honours Thesis Tutorial 1
Calendar Title: Honours Thesis Tutorial 1.
Description:
Initial guided reading and research for Honours students in their final year.
Notes:
Restrictions: Open to Honours students in Philosophy & Western Religions in their final year.
Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

PHWR 402
Credit Weight: 3
Transcript Title: Honours Thesis Tutorial 2
Calendar Title: Honours Thesis Tutorial 2.
Description:
Final guided reading and research for Honours students in their final year.
Notes:
Prerequisite: PHWR 401
Restrictions: Open to Honours students in Philosophy & Western Religions in their final year.
Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

PHWR 500D1
Credit Weight: 1.5
Transcript Title: Interdisciplinary Seminar
Calendar Title: Interdisciplinary Seminar.
Description:
Advanced undergraduate students and faculty members and graduate students conducting research in relevant areas of the academic field will discuss a specific topic (e.g. Platonism, Aristotelianism, Renaissance, Mysticism, God, Prophecy, Exegesis etc.) in an interdisciplinary perspective.
Notes:
Prerequisite: PHWR 300 or permission of an advisor.
Restrictions: Open to Major, Joint Honours and Honours students in Philosophy & Western Religions in their final year, as well as students of related units with permission of an advisor.
Students must register for both PHWR 500D1 and PHWR 500D2.
No credit will be given for this course unless both PHWR 500D1 and PHWR 500D2 are successfully completed in consecutive terms.
Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

PHWR 500D2
Credit Weight: 1.5
Transcript Title: Interdisciplinary Seminar
Calendar Title: Interdisciplinary Seminar.
Description:
See PHWR 500D1 for course description.
Notes:
Prerequisite: PHWR 500D1.
No credit will be given for this course unless both PHWR 500D1 and PHWR 500D2 are successfully completed in consecutive terms.
Administrating Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active
PHYS 101
Credit Weight: 4
Transcript Title: Intro Physics - Mechanics
Calendar Title: Introductory Physics - Mechanics.
Description: An introductory course in physics without calculus, covering mechanics (kinematics, dynamics, energy, and rotational motion), oscillations and waves, sound, light, and wave optics.
Notes: Fall
3 hours lectures; 2 hours laboratory; tutorial sessions
Restriction: Not open to students taking or having taken PHYS 131, CEGEP objective 00UR or equivalent
Laboratory sections have limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 102
Credit Weight: 4
Transcript Title: Intro Physics-Electromagnetism
Calendar Title: Introductory Physics - Electromagnetism.
Notes: Winter
3 hours lectures; 2 hours laboratory; tutorial sessions
Prerequisite: PHYS 101.
Corequisite: MATH 139 or higher level calculus course.
Restriction: Not open to students taking or having taken PHYS 142, CEGEP objective 00UR or equivalent
Laboratory sections have limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 107
Credit Weight: 1
Transcript Title: Mechanics Lab. (Life Sciences)
Calendar Title: Mechanics Laboratory (Life Sciences).
Description: The laboratory component of PHYS 101.
Notes: Fall
Prerequisite: Lecture component of PHYS 101 or equivalent
Restriction: Not open to students who have taken or are taking PHYS 101
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 108
Credit Weight: 1
Transcript Title: E&M Lab. (Life Sciences)
Calendar Title: E&M Laboratory (Life Sciences).
Description: The laboratory component of PHYS 102.
Notes:
Winter
Prerequisite: Lecture component of PHYS 102 or equivalent
Restriction: Not open to students who have taken or are taking PHYS 102

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 117
Credit Weight: 1
Transcript Title: Mechanics Laboratory
Calendar Title: Mechanics Laboratory.
Description:
The laboratory component of PHYS 131.

Notes:
Fall
Prerequisite: Lecture component of PHYS 131 or equivalent
Restriction: Not open to students who have taken or are taking PHYS 131

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 118
Credit Weight: 1
Transcript Title: E&M Laboratory
Calendar Title: E & M Laboratory.
Description:
The laboratory component of PHYS 142.

Notes:
Winter
Prerequisite: Lecture component of PHYS 142 or equivalent
Restriction: Not open to students who have taken or are taking PHYS 142

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 131
Credit Weight: 4
Transcript Title: Mechanics and Waves
Calendar Title: Mechanics and Waves.
Description:
The basic laws and principles of Newtonian mechanics; oscillations, waves, and wave optics.

Notes:
Fall
3 hours lectures; 1 hour tutorial, 3 hours laboratory in alternate weeks; tutorial sessions
Corequisite: MATH 139 or higher level calculus course.
Restriction(s): Not open to students who have taken or are taking PHYS 101, or who have taken CEGEP objective 00UR or equivalent.
Laboratory sections have limited enrolment

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 142
Credit Weight: 4
Transcript Title: Electromagnetism & Optics
Calendar Title: Electromagnetism and Optics.
Description:
The basic laws of electricity and magnetism; geometrical optics.
Notes:
Winter
3 hours lectures, 3 hours laboratory in alternate weeks; tutorial sessions
Prerequisite: PHYS 131.
Corequisite: MATH 141 or higher level calculus course.
Restriction: Not open to students who have taken or are taking PHYS 102, or who have taken CEGEP objective 00US or equivalent.
Laboratory sections have limited enrolment
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 180
Credit Weight: 3
Transcript Title: Space, Time & Matter
Calendar Title: Space, Time and Matter.
Description:
A nonmathematical, conceptual look at physics, beginning with the idea of space and time, continuing with the historical development of Newtonian mechanics of celestial motion, electricity and magnetism, ether and light, Einstein's special and general theories of relativity, quantum mechanics, matter and antimatter, cosmology and the big bang.
Notes:
Fall
3 hours lectures
Restrictions: Not open to students in a Physics program. Not open to students who have taken PHYS 200.
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 181
Credit Weight: 3
Transcript Title: Everyday Physics
Calendar Title: Everyday Physics.
Description:
The day-to-day physics behind the materials and phenomena around us. Demonstrations of the intriguing properties of materials and the simple physical theories explaining them.
Notes:
Winter
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 182
Credit Weight: 3
Transcript Title: Our Evolving Universe
Calendar Title: Our Evolving Universe.
Description:
An elementary course on astronomy and astrophysics. Positional astronomy and
finding your way about the sky. Our evolving picture of the universe. Properties and origins of the solar system. The Big Bang and modern cosmology.

Notes:
Fall
Restriction: Not open to students in a Physics program. Not open to students who have taken PHYS 204 or PHYS 205.

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 183
Credit Weight: 3
Transcript Title: The Milky Way Inside and Out
Calendar Title: The Milky Way Inside and Out.
Description:
An elementary course on astronomy. Star origins and star formation, supernovae, white dwarfs, neutron stars, and black holes. Galaxies, their structure and their interactions. Stellar clusters, the interstellar medium. Galactic classification and galaxy evolution.

Notes:
Winter
Restriction: Not open to students in a Physics program. Not open to students who have taken PHYS 204 or PHYS 206.

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 184
Credit Weight: 3
Transcript Title: Energy and the Environment
Calendar Title: Energy and the Environment.
Description:
Energy fundamentals, generation of electricity, heat engines, fossil fuel production and consumption, local and global effects, economic impact, transportation, and pollution and environmental impact of energy use. Non-renewable energy sources (fossil fuels, nuclear) and renewable sources (solar, wind, hydro, geothermal).

Notes:
Restriction: Not open to students who have taken PHYS 228.

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 186
Credit Weight: 3
Transcript Title: Astrobiology
Calendar Title: Astrobiology.
Description:
Astrobiology is the study of life throughout the universe. The course will cover the search for, and characterization of, habitable worlds. We will explore the formation and evolution of stars and planets, the astronomical and geological factors that impact a planet's habitability, the evolution of life on Earth, and the potential for biological evolution beyond an organism's planet of origin.

Notes:
Restriction(s): Not open to students who have taken or are taking EPSC 182, ANAT 182, or EPSC 186.

Winter
This is a double-prefix course and is identical in content with EPSC 186.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 224**  
**Credit Weight:** 3  
**Transcript Title:** Physics of Music  
**Calendar Title:** Physics of Music.  
**Notes:** Fall  
3 hours lectures  
Designed for students in the Faculty of Music but suitable for students with an interest in music and its physical basis.  
Restriction: Not open to students who have taken PHYS 225

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 228**  
**Credit Weight:** 3  
**Transcript Title:** Energy and the Environment  
**Calendar Title:** Energy and the Environment.  
**Description:** Energy fundamentals, generation of electricity, heat engines, fossil fuel production and consumption, local and global effects, economic impact, transportation, and pollution and environmental impact of energy use. Non-renewable energy sources (fossil fuels, nuclear) and renewable sources (solar, wind, hydro, geothermal).  
**Notes:** Winter  
Prerequisites: CEGEP Physics or PHYS 102 or PHYS 142 or permission of the instructor  
Restrictions: Not open to students who have taken PHYS 184.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 230**  
**Credit Weight:** 3  
**Transcript Title:** Dynamics of Simple Systems  
**Calendar Title:** Dynamics of Simple Systems.  
**Description:** Translational motion under Newton's laws; forces, momentum, work/energy theorem. Special relativity; Lorentz transforms, relativistic mechanics, mass/energy equivalence. Topics in rotational dynamics. Noninertial frames.  
**Notes:** Fall  
3 hours lectures
Prerequisite: CEGEP Physics or PHYS 131.
Corequisite: MATH 222
Restriction: Not open to students taking or having passed PHYS 251

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 232
Credit Weight: 3
Transcript Title: Heat and Waves
Calendar Title: Heat and Waves.

Notes:
Winter
3 hours lectures
Prerequisites: CEGEP Physics or PHYS 142, and CEGEP chemistry or CHEM 120, and PHYS 230.
Restriction: Not open to students taking or having passed PHYS 253

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 241
Credit Weight: 3
Transcript Title: Signal Processing
Calendar Title: Signal Processing.
Description: Linear circuit elements, resonance, network theorems, diodes, transistors, amplifiers, feedback, integrated circuits.

Notes:
Winter
2 hours lectures; 3 hours laboratory alternate weeks
Prerequisite: CEGEP physics or PHYS 142.

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 242
Credit Weight: 2
Transcript Title: Electricity & Magnetism
Calendar Title: Electricity and Magnetism.
Description: Properties of electromagnetic fields, dipole and quadropole fields and their interactions, chemical binding of molecules, electromagnetic properties of materials, Maxwell's equations and properties of electromagnetic waves, propagation of waves in media.

Notes:
Fall
2 hours lectures
Prerequisites: CEGEP Physics, MATH 222

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 251**
Credit Weight: 3
Transcript Title: Honours Classical Mechanics 1
Calendar Title: Honours Classical Mechanics 1.
Description: Newton's laws, work energy, angular momentum. Harmonic oscillator, forced oscillations. Inertial forces, rotating frames. Central forces, centre of mass, planetary orbits, Kepler's laws.
Notes: Fall
3 hours lectures
Prerequisite: CEGEP physics or PHYS 131.
Corequisite: MATH 222
Restriction: Not open to students taking or having taken PHYS 230.
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 253**
Credit Weight: 3
Transcript Title: Thermal Physics
Calendar Title: Thermal Physics.
Description: Energy, work, heat; first law. Temperature, entropy; second law. Absolute zero; third law. Equilibrium, equations of state, gases, liquids, solids, magnets; phase transitions.
Notes: Fall
3 hours lectures
Prerequisites: CEGEP physics or PHYS 131, and CEGEP chemistry or CHEM 120.
Corequisite: MATH 222
Restriction: Not open to students taking or having taken PHYS 232.
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 257**
Credit Weight: 3
Transcript Title: Experimental Methods 1
Calendar Title: Experimental Methods 1.
Description: Introductory laboratory work and data analysis as related to mechanics, optics and thermodynamics. Introduction to computers as they are employed for laboratory work, for data analysis and for numerical computation. Previous experience with computers is an asset, but is not required.
Notes: Fall
6 hours of laboratory and classroom work
Corequisite: PHYS 230 or PHYS 251
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 258**
Credit Weight: 3
Transcript Title: Experimental Methods 2
Calendar Title: Experimental Methods 2.
Description:
Advanced laboratory work and data analysis as related to mechanics, optics and thermodynamics. Computers will be employed routinely for data analysis and for numerical computation, and, particularly, to facilitate the use of Fourier methods.
Notes:
Winter
6 hours of laboratory and classroom work
Prerequisite: PHYS 257
Administrating Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 260
Credit Weight: 3
Transcript Title: Modern Physics and Relativity
Calendar Title: Modern Physics and Relativity.
Description:
History of special relativity; Lorentz transformations: kinematics and dynamics; transformation of electric and magnetic forces; introduction to topics in modern physics.
Notes:
Fall
3 hours lectures
Prerequisite: CEGEP physics or PHYS 142.
Corequisite: MATH 222
Administrating Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 271
Credit Weight: 3
Transcript Title: Intro to Quantum Physics
Calendar Title: Introduction to Quantum Physics.
Description:
Notes:
Winter
(3-0-6)
Prerequisite: PHYS 251 or CIVE 281
Restriction: This course is not available to any student enrolled in any Majors or Honours program involving Physics.
Administrating Faculty: Faculty of Engineering
Teaching Department: Physics
Status (catalog level): Active

PHYS 319
Credit Weight: 3
Transcript Title: Introduction to Biophysics
Calendar Title: Introduction to Biophysics.
Description:
Emerging physical approaches and quantitative measurement techniques are providing new insights into longstanding biological questions. This course will present underlying physical theory, quantitative measurement techniques, and significant findings in molecular and cellular biophysics. Principles covered include Brownian motion, low Reynolds-number environments, forces relevant to cells and molecules, chemical potentials, and free energies. These principles are applied to enzymes as molecular machines, membranes, DNA, and RNA.

Notes:
Winter. Students with training in physics and biology will be well-suited to the course.
Prerequisites: BIOL 200 or BIOL 219; MATH 222; PHYS 230 and (PHYS 232 or PHYS 253), or permission of the instructor.
Restriction: Not open to students who have taken or are taking BIOL 319

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 320
Credit Weight: 3
Transcript Title: Introductory Astrophysics
Calendar Title: Introductory Astrophysics.
Description:
A survey of astrophysics ranging from stars and planets, to compact objects, galaxies, and the large-scale evolution of the Universe. A calculus-based course, with a focus on simple mathematical derivations that capture the essential physics.
Notes:
Prerequisites: MATH 222; PHYS 230 or PHYS 260 or permission of the instructor.
Not open to students who have taken PHYS 214.
Fall
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 321
Credit Weight: 3
Transcript Title: Data Sci & Obs Astrophysics
Calendar Title: Data Science and Observational Astrophysics.
Description:
Data analysis methods as applied in experimental physics, with an emphasis on applications in observational astrophysics. An introduction to Bayesian inference, model selection, Markov Chain Monte Carlo, common probability distributions, jackknives and null tests, as they are used in the analysis of observational data from across the electromagnetic spectrum.
Notes:
Corequisite(s): PHYS 241; PHYS 258
Prerequisite(s): COMP 208; PHYS 257
Students with sufficient knowledge of computer programming do not need to have taken COMP 208
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 328
Credit Weight: 3
**Transcript Title:** Electronics  
**Calendar Title:** Electronics.  
**Description:** Semiconductor devices, basic transistor circuits, operational amplifiers, combinatorial and sequential logic, integrated circuits, analogue to digital converters. The laboratory component covers design, construction and testing of basic electronic circuits.  
**Notes:**  
Fall  
2 hours lectures; 3 hours laboratory  
Prerequisite: PHYS 241 or permission of instructor  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active  

**PHYS 329**  
**Credit Weight:** 3  
**Transcript Title:** Stat Physics w/ Biophys Appl  
**Calendar Title:** Statistical Physics with Biophysical Applications.  
**Description:** This interdisciplinary course introduces Statistical Physics illustrated with modern biophysical applications. Principles covered include partition functions, Boltzmann distribution, bosons, fermions, Bose Einstein condensates, Fermi gases, chemical potential, thermodynamical forces, biochemical kinetics, and an introduction to noise and phase transitions in biology.  
**Notes:**  
Prerequisite(s): [BIOL 219 and (PHYS 253 or PHYS 232 or CHEM 345)] or permission of the instructor  
Restriction(s): Not opened to students having taken PHYS 333, PHYS 362, or CHEM 365  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active  

**PHYS 331**  
**Credit Weight:** 3  
**Transcript Title:** Topics in Classical Mechanics  
**Calendar Title:** Topics in Classical Mechanics.  
**Description:** Forced and damped oscillators, Newtonian mechanics in three dimensions, rotational motion, Lagrangian and Hamiltonian mechanics, small vibrations, normal modes. Nonlinear dynamics and chaos.  
**Notes:**  
Winter  
3 hours lectures  
Prerequisite: PHYS 230  
Corequisite: MATH 315  
Restriction: Not open to students having passed PHYS 451 or PHYS 351  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active  

**PHYS 333**  
**Credit Weight:** 3  
**Transcript Title:** Thermal & Statistical Physics  
**Calendar Title:** Thermal and Statistical Physics.
Description:

Notes:
Winter
3 hours lectures
Prerequisite: PHYS 232
Restriction: Not open to students taking or having passed PHYS 362

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 339
Credit Weight: 3
Transcript Title: Measurements Lab in Gen Phys
Calendar Title: Measurements Laboratory in General Physics.
Description:
Introduction to modern techniques of measurement. The use of computers in performing and analysing experiments. Data reduction, statistical methods, report writing. Extensive use of computers is made in this laboratory; therefore some familiarity with computers and computing is an advantage.

Notes:
Winter
6 hours
Prerequisite: PHYS 241 or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 340
Credit Weight: 3
Transcript Title: Majors Electricity & Magnetism
Calendar Title: Majors Electricity and Magnetism.
Description:
Notes:
Fall
3 hours lectures
Prerequisites: CEGEP physics or PHYS 142, MATH 222
Corequisite: MATH 314
Restriction: Not open to students who have passed PHYS 242 or PHYS 350

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 342
Credit Weight: 3
Transcript Title: Majors Electromagnetic Waves
Calendar Title: Majors Electromagnetic Waves.
Description:
Maxwell's equations. The wave equation. The electromagnetic wave, reflection, refraction, polarization. Guided waves. Transmission lines and wave guides. Vector
potential. Radiation. The elemental dipole; the half-wave dipole; vertical dipole; folded dipoles; Yagi antennas. Accelerating charged particles.

Notes:
Winter
3 hours lectures
Prerequisites: PHYS 340 or PHYS 242, Mathematics MATH 314, MATH 315

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 346
Credit Weight: 3
Transcript Title: Majors Quantum Physics
Calendar Title: Majors Quantum Physics.
Description:
Notes:
Fall
Prerequisite: PHYS 230 and PHYS 232, or PHYS 251
Restriction: Not open to students who have taken PHYS 357, PHYS 446, or PHYS 457.
3 hours lectures

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 350
Credit Weight: 3
Transcript Title: Honors Electricity & Magnetism
Calendar Title: Honors Electricity and Magnetism.
Description:
Fundamental laws of electric and magnetic fields in both integral and differential form.
Notes:
Fall
3 hours lectures
Prerequisites: MATH 248, MATH 325.
Restriction: Honours students or permission of the instructor
Restriction: Not open to students having taken PHYS 340

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 351
Credit Weight: 3
Transcript Title: Honours Classical Mechanics 2
Calendar Title: Honours Classical Mechanics 2.
Description:
Notes:
Winter
3 hours lectures
Prerequisite: PHYS 251.
Restriction: Not open to students who have taken PHYS 451.
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 352
Credit Weight: 3
Transcript Title: Honours Electromagnetic Waves
Calendar Title: Honours Electromagnetic Waves.
Description:
Vector and scalar potentials; plane waves in homogeneous media; refraction and reflection; guided waves; radiation from simple systems; dipole and quadrupole radiation; introduction to fields of moving charges; synchrotron radiation; Bremsstrahlung.
Notes:
Fall
3 hours lectures
Prerequisite: PHYS 350.
Restriction: Honours students, or permission of the instructor

PHYS 357
Credit Weight: 3
Transcript Title: Honours Quantum Physics 1
Calendar Title: Honours Quantum Physics 1.
Description:
Experimental basis for quantum mechanics; wave-packets; uncertainty principle. Hilbert space formalism. Schrödinger equation: eigenvalues and eigenvectors: applications to 1-d problems including the infinite and finite potential wells and the harmonic oscillator. Tunneling. Time independent perturbation theory.
Notes:
Fall
3 hours lectures
Prerequisites: MATH 223 or equivalent, and one of PHYS 230, PHYS 251, or CIVE 281
Restriction: Honours students or permission of the instructor
Restriction: Not open to students taking or having passed PHYS 346

PHYS 359
Credit Weight: 3
Transcript Title: Advanced Physics Laboratory 1
Calendar Title: Advanced Physics Laboratory 1.
Description:
Advanced level experiments in physics including quantum effects and some properties of condensed matter physics and modern physics.
Notes:
Winter
6 hours
Corequisite: PHYS 457 or PHYS 447 or permission of the instructor.
Prerequisite: PHYS 258
Students who have taken PHYS 469 will conduct different experiments in this course.
Restriction: Open to both Majors and Honours students
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 362**  
**Credit Weight:** 3  
**Transcript Title:** Statistical Mechanics  
**Calendar Title:** Statistical Mechanics.  
**Description:** Quantum states and ensemble averages. Fermi-Dirac, Bose-Einstein and Boltzmann distribution functions and their applications.  
**Notes:** Winter 3 hours lectures  
Prerequisites: MATH 248 or equivalents, PHYS 253.  
Restriction: Honours students, or permission of the instructor  
Restriction: Not open to students taking or having passed PHYS 333

**PHYS 396**  
**Credit Weight:** 3  
**Transcript Title:** Undergraduate Research Project  
**Calendar Title:** Undergraduate Research Project.  
**Description:** Independent research project with a final written report.  
**Notes:** Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.  
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See ?https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

**PHYS 404**  
**Credit Weight:** 3  
**Transcript Title:** Climate Physics  
**Calendar Title:** Climate Physics.  
**Description:** This course covers the essentials of climate physics through the lens of one-dimensional, vertical atmospheric models. This includes shortwave and longwave radiative transfer, convection, phase changes, clouds, greenhouse gases, and atmospheric escape. This is an adequate level of detail for understanding Earth's climate, paleoclimate, anthropogenic climate change, or pursing studies of Solar System planets and extrasolar planets.
Notes:
Prerequisite(s): PHYS 230 or PHYS 251, PHYS 232 or PHYS 253, MATH 315 or MATH 325, and MATH 222
Restriction(s): Not open to students who have taken ATOC 404
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 413
Credit Weight: 3
Transcript Title: Physical Basis of Physiology
Calendar Title: Physical Basis of Physiology.
Description:
Analytic and computer simulation techniques are used to examine the role of nonlinearities and time delays in determining the dynamic behaviour of physiological control systems and their relation to normal and pathophysiological states. Examples drawn from the control of respiration, cellular proliferation and differentiation, biochemical feedback networks, thermoregulatory mechanisms, and neural feedback.
Symbols: ALTY - Taught in alternate years
Notes:
Fall 3 hours lectures
Prerequisite: MATH 315, or MATH 325, and permission of the instructor
Intended for Major or Honours students in Physics, Physiology, Physiology and Physics, or Mathematics and others with permission
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 432
Credit Weight: 3
Transcript Title: Physics of Fluids
Calendar Title: Physics of Fluids.
Description:
The physical properties of fluids. The kinematics and dynamics of flow. The effects of viscosity and turbulence. Applications of fluid mechanics in biophysics, geophysics and engineering.
Notes:
Winter 3 hours lectures
Prerequisites: PHYS 230, MATH 223, MATH 314, MATH 315
Restriction: Not open to students who have taken PHYS 332.
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 434
Credit Weight: 3
Transcript Title: Optics
Calendar Title: Optics.
Description:
Fundamental concepts of optics, including applications and modern developments. Light propagation in media; geometric optics and optical instruments; polarization and coherence properties of light; interference and interferometry; diffraction theory and applications in spectrometry and imaging; Gaussian beams, Fourier
optics and photonic band structure. A laboratory component provides hands-on experience in optical setup design, construction and testing of concepts introduced in lectures.

Notes:
Fall
2 hours lecture, 3 hours lab
Corequisite: PHYS 342 or PHYS 352, or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 439
Credit Weight: 3
Transcript Title: Majors Lab in Modern Physics
Calendar Title: Majors Laboratory in Modern Physics.
Description:
Advanced level experiments in modern physics stressing quantum effects and some properties of condensed matter.
Notes:
Fall
6 hours
Prerequisite: PHYS 339.
Corequisite: PHYS 346
Restriction: Not open to students with credit in PHYS 359 except with permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Inactive

PHYS 447
Credit Weight: 3
Transcript Title: Applications of Quantum Mech.
Calendar Title: Applications of Quantum Mechanics.
Description:
One electron atoms, radiation, multielectron atoms, molecular bonds. Selected topics from condensed matter, nuclear and elementary particle physics.
Notes:
Prerequisite(s): PHYS 346 or PHYS 446
Restriction(s): Not open to students in the following programs: · Bachelor of Engineering (B.Eng.) - Honours Electrical Engineering · Bachelor of Engineering (B.Eng.) - Minor Physics · Bachelor of Science (B.Sc.) - Honours Mathematics and Physics · Bachelor of Science (B.Sc.) - Honours Physics · Bachelor of Science (B.Sc.) - Honours Physics and Chemistry · Bachelor of Science (B.Sc.) - Honours Physics and Computer Science
Restriction(s): Not open to students who have taken or are taking PHYS 457.
1. Winter
2. 3 hours lectures

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 449
Credit Weight: 3
Transcript Title: Majors Research Project
Calendar Title: Majors Research Project.
Description:
A supervised research project.
Notes:
Winter or Summer
6 hours
Restrictions: U2 or U3 students in a Physics program, or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 457
Credit Weight: 3
Transcript Title: Honours Quantum Physics 2
Calendar Title: Honours Quantum Physics 2.
Description:

Notes:
Winter
3 hours lectures
Prerequisite: PHYS 357
Restriction: Honours students or permission of instructor
Restriction: Not open to students who have taken PHYS 346

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 459D1
Credit Weight: 3
Transcript Title: Honours Research Thesis
Calendar Title: Honours Research Thesis.
Description:
Honours supervised research project and thesis.

Notes:
Fall
6 hours
Restriction: Honours students or permission of instructor
Students must register for both PHYS 459D1 and PHYS 459D2.
No credit will be given for this course unless both PHYS 459D1 and PHYS 459D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 459D2
Credit Weight: 3
Transcript Title: Honours Research Thesis
Calendar Title: Honours Research Thesis.
Description:
See PHYS 459D1 for course description.

Notes:
Winter
Prerequisite: PHYS 459D1
No credit will be given for this course unless both PHYS 459D1 and PHYS 459D2 are
successfully completed in consecutive terms

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 469**  
**Credit Weight:** 3  
**Transcript Title:** Advanced Physics Laboratory 2  
**Calendar Title:** Advanced Physics Laboratory 2.  
**Description:** Advanced level experiments in physics including quantum effects and some properties of condensed matter physics and modern physics.  
**Notes:**  
- Fall  
- 6 hours  
- Restriction: Honours students or permission of instructor  
- Prerequisite: PHYS 258 or permission of the instructor  
- Corequisite: PHYS 457 or PHYS 447 or permission of the instructor.  
- Restriction: Open to honours and majors physics students  
- Student who have taken PHYS 359 will conduct different experiments in this course.  

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 478**  
**Credit Weight:** 1  
**Transcript Title:** Short Research Project  
**Calendar Title:** Short Research Project.  
**Description:** Supervised research project in physics.  
**Notes:**  
- Note: Students are expected to find an appropriate instructor for their project.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 479**  
**Credit Weight:** 3  
**Transcript Title:** Physics Research Project  
**Calendar Title:** Physics Research Project.  
**Description:** A supervised research project.  
**Notes:**  
- 6 hours  
- Restriction: U2 or U3 students in a Physics program, or permission of the instructor.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Physics  
**Status (catalog level):** Active

**PHYS 489**  
**Credit Weight:** 3  
**Transcript Title:** Special Project  
**Calendar Title:** Special Project.  
**Description:** A project incorporating aspects of both physics and computer science, under the
Joint supervision of the two departments. The Physics aspect may be either laboratory-based or theoretical in nature. The Computational aspect will involve the development and implementation of algorithms arising from the investigation.

Notes:
Winter
6 hours
Restriction: Only open to students in their final year of the Joint Major in Physics and Computer Science after consultation with the adviser(s) for the program

Administrating Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 512**
Credit Weight: 3
Transcript Title: Comp. Phys. with Applications
Calendar Title: Computational Physics with Applications.
Description: Computational methods in Physics illustrated with realworld applications.
Notes: U3 or graduate students in Physics, Chemistry, or Engineering, or permission of the instructor. Basic familiarity with computer programming highly recommended.

Administrating Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 514**
Credit Weight: 3
Transcript Title: General Relativity
Calendar Title: General Relativity.
Description: Transition from special to general relativity. Non-Euclidian geometry. The basic laws of Physics in co-variant form, Einstein's equations. Gravitational waves; neutron stars; black holes; cosmology.
Notes: Winter
3 hours lectures
Restriction: U3 Honours students and graduate students, or permission of the instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

**PHYS 519**
Credit Weight: 3
Transcript Title: Advanced Biophysics
Calendar Title: Advanced Biophysics.
Description: An advanced biophysics course, with a special emphasis on stochastic and out of equilibrium physical processes in living matter.
Notes: Prerequisites: (PHYS 329 or PHYS 333 or PHYS 362 or MATH 437) and (PHYS 340 or PHYS 350), or permission of the instructor.

Administrating Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active
PHYS 521
Credit Weight: 3
Transcript Title: Astrophysics
Calendar Title: Astrophysics.
Description: An advanced course in modern astrophysics, covering topics such as the basic tools of astronomy (statistics, mathematical methods, computational tools, and instrumentation); stellar astrophysics (properties, structure, atmospheres, binaries/exoplanets); the interstellar medium, star formation, stellar evolution and endpoints (white dwarfs, neutron stars, black holes); and the Milky Way, galaxies, and cosmology.
Notes: Fall
3 hours
Restriction: U3 students and graduate students, or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 534
Credit Weight: 3
Transcript Title: Nanoscience and Nanotechnology
Calendar Title: Nanoscience and Nanotechnology.
Description: Topics include scanning probe microscopy, chemical self-assembly, computer modelling, and microfabrication/micromachining.
Notes: Fall
Restriction: U3 or graduate students in Physics, Chemistry, or Engineering, or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 551
Credit Weight: 3
Transcript Title: Quantum Theory
Calendar Title: Quantum Theory.
Description: General formulation, scattering theory, WKBJ approximation, time-dependent perturbation, theory and applications, angular momentum, relativistic wave equations.
Notes: Fall
3 hours lectures
Restriction: U3 Honours students and graduate students, or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 557
Credit Weight: 3
Transcript Title: Nuclear Physics
Calendar Title: Nuclear Physics.
Description:
General nuclear properties, nucleon-nucleon interaction and scattering theory, radioactivity, nuclear models, nuclear reactions.

Notes:
Fall
3 hours lectures
Restriction: U3 Honours students, graduate students, or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 558
Credit Weight: 3
Transcript Title: Solid State Physics
Calendar Title: Solid State Physics.
Description:
Properties of crystals; free electron model, band structure; metals, insulators and semi-conductors; phonons; magnetism; selected additional topics in solid-state (e.g. ferroelectrics, elementary transport theory).

Notes:
Fall
3 hours lectures
Restriction: U3 Honours students, graduate students, or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 559
Credit Weight: 3
Transcript Title: Advanced Statistical Mechanics
Calendar Title: Advanced Statistical Mechanics.
Description:
Scattering and structure factors. Review of thermodynamics and statistical mechanics; correlation functions (static); mean field theory; critical phenomena; broken symmetry; fluctuations, roughening.

Notes:
Fall
3 hours lectures
Restriction: U3 Honours students, graduate students, or permission of the instructor

Administering Faculty: Faculty of Science
Teaching Department: Physics
Status (catalog level): Active

PHYS 562
Credit Weight: 3
Transcript Title: Electromagnetic Theory
Calendar Title: Electromagnetic Theory.
Description:
Electrostatics, dielectrics, magnetostatics, timevarying fields, relativity, radiating systems, fields of moving charges.

Notes:
Winter
3 hours lectures
Prerequisites (Graduate): U1 or U2 Honours Physics or permission of instructor.
Restriction: U3 Honours students, graduate students, or permission of the instructor

**Administering Faculty:** Faculty of Science

**Teaching Department:** Physics

**Status (catalog level):** Active

**PHYS 567**

**Credit Weight:** 3

**Transcript Title:** Particle Physics

**Calendar Title:** Particle Physics.

**Description:**
Survey of elementary particles; hadrons, leptons and hadrons' constituents (quarks). Invariance principles and conservation laws. Detectors and accelerators. Phenomenology of strong, electromagnetic and weak interactions.

**Notes:**
Winter
3 hours lectures

**Restriction:** U3 Honours students, graduate students, or permission of the instructor

**Administering Faculty:** Faculty of Science

**Teaching Department:** Physics

**Status (catalog level):** Active

**PHYS 606**

**Credit Weight:** 3

**Transcript Title:** Sel Topics:Cont. Physics 1

**Calendar Title:** Selected Topics: Contemporary Physics 1.

**Description:**
Selected topics in contemporary physics.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Physics

**Status (catalog level):** Active

**PHYS 607**

**Credit Weight:** 3

**Transcript Title:** Sel Topics:Cont. Physics 2

**Calendar Title:** Selected Topics: Contemporary Physics 2.

**Description:**
Selected topics in contemporary physics.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Physics

**Status (catalog level):** Active

**PHYS 610**

**Credit Weight:** 3

**Transcript Title:** Quantum Field Theory 1

**Calendar Title:** Quantum Field Theory 1.

**Description:**

**Notes:**
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 616
Credit Weight: 3
Transcript Title: Multifractals and Turbulence
Calendar Title: Multifractals and Turbulence.
Description:
This course assumes knowledge of basic probability theory and Fourier analysis. The subjects covered are: scale-invariant sets: fractal geometry, scale-invariant fields: multifractal fields and processes, aspects of hydrodynamic turbulence, multifractal data analysis techniques, generalized scale invariance, space/time scaling, causality.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 620
Credit Weight: 3
Transcript Title: Exp Meth of Subatomic Physics
Calendar Title: Experimental Methods of Subatomic Physics.
Description:
Basic techniques of experimentation in nuclear and particle physics. Accelerators, beam optics, detection systems, major experiments, Monte-Carlo simulation, data acquisition and data analysis.
Notes:
3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 632
Credit Weight: 3
Transcript Title: Seminar in Astrophysics 1
Calendar Title: Seminar in Astrophysics 1.
Description:
Seminar on special topics in astrophysics.
Notes:
Restrictions: Enrolled in M.Sc. or Ph.D. degree program or permission of instructor. Not open to students who have taken PHYS 614.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 633
Credit Weight: 3
Transcript Title: Seminar in Astrophysics 2
Calendar Title: Seminar in Astrophysics 2.
Description:
Seminar on special topics in astrophysics.
Notes:
Restrictions: Enrolled in M.Sc. or Ph.D. degree program or permission of instructor. Not open to students who have taken PHYS 615.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 634
Credit Weight: 3
Transcript Title: Seminar in Advanced Materials
Calendar Title: Seminar in Advanced Materials.
Description: A series of research-level seminars about topics of current interest in advanced materials. Topics include molecular and nanoelectronics, computational approaches to materials design and property predictions, new techniques in molecular and atomic imaging, advances in materials preparation, quantum device and quantum computing.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 641
Credit Weight: 3
Transcript Title: Observ Tech of Mod Astrophys
Calendar Title: Observational Techniques of Modern Astrophysics.
Description: Mechanical, electrical, optical, and analytic techniques used in modern astrophysics research. Electromagnetic, gravitational and particle-based observing. Relevant and topical observational problems, contact with forefront of observational research.
Notes: Restriction: Enrolment in M.Sc. or Ph.D. program, or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 642
Credit Weight: 3
Transcript Title: Radiative Process in Astrophys
Calendar Title: Radiative Processes in Astrophysics.
Description: Why astrophysical sources look the way they do, and how to understand why we see what we see in astronomy. Fundamental physical processes that produce and modify radiation from astrophysical sources, and how they apply to different astronomical examples.
Notes: Restriction: Enrolment in M.Sc./Ph.D. program, or permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 643
Credit Weight: 3
Transcript Title: Astrophysical Fluids
Calendar Title: Astrophysical Fluids.
Description:
Physics of astrophysical fluids; how it determines the behaviour, formation, evolution, dissipation and death of astrophysical systems, including objects in hydrostatic balance, such as stars, or with inflows and outflows, such as disks and jets.

**Notes:**
Restriction: Enrolment in M.Sc./Ph.D. program, or permission of the instructor.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Physics
**Status (catalog level):** Active

**PHYS 644**
**Credit Weight:** 3
**Transcript Title:** Galaxies and Cosmology
**Calendar Title:** Galaxies and Cosmology.
**Description:**
Our current understanding of the universe, and tools that are used in developing this understanding. Large scale properties of galaxies in a cosmological context; the most important features of the expanding universe.
**Notes:**
Restriction: Enrolment in M.Sc./Ph.D. program, or permission of the instructor.
Note: General relativity not a prerequisite.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Physics
**Status (catalog level):** Active

**PHYS 645**
**Credit Weight:** 3
**Transcript Title:** High Energy Astrophysics
**Calendar Title:** High Energy Astrophysics.
**Description:**
Physical bases for phenomena associated with strong gravity and high-energy processes in astrophysical contexts. X-rays, gamma-rays, nuclear processes, strong gravity and magnetic fields. Shocks, acceleration, and jets.
**Notes:**
Restrictions: Enrolled in M.Sc. or Ph.D. degree program or permission of instructor. Not open to students who have taken PHYS 621.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Physics
**Status (catalog level):** Active

**PHYS 657**
**Credit Weight:** 3
**Transcript Title:** Classical Condensed Matter
**Calendar Title:** Classical Condensed Matter.
**Description:**

**Administering Faculty:** Graduate Studies
**Teaching Department:** Physics
**Status (catalog level):** Active

PHYS 658
Credit Weight: 3
Transcript Title: Advanced Condensed Matter
Calendar Title: Advanced Condensed Matter.
Description:
Superconductivity: phenomenology; electron-phonon interaction; BCS theory; gap structure; Ginzburg-Landau formulation; magnetic, transport and thermodynamic properties; vortices; superfluids; unconventional superconductors. Magnetism: local vs itinerant magnetism; magnetic ordering; spin fluctuations; neutron and magnetic X-ray scattering; magnetism at surfaces; frustration. Additional topic amongst: quantum Hall effect; localization; quasicrystals; glasses; etc.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 659
Credit Weight: 3
Transcript Title: Experimental Condensed Matter
Calendar Title: Experimental Condensed Matter.
Description:
To obtain an active understanding of the principles, the possibilities and the limitations of various experimental techniques. Possible topics include vacuum and low-temperature techniques; transport, thermal, magnetization and de Haas van Alphen measurements; scattering techniques; Mossbauer spectroscopy, NMR, scanning probe microscopy, electron microscopy; surface science methods.
Notes:
3 hours
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 660
Credit Weight: 3
Transcript Title: Quantum Condensed Matter
Calendar Title: Quantum Condensed Matter.
Description:
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 673
Credit Weight: 3
Transcript Title: Quantum Field Theory 2
Calendar Title: Quantum Field Theory 2.
Description:
Loop diagrams, renormalization, Abelian and nonabelian gauge theory, QCD, introduction to the Standard Model.
Notes:
3 hours
Prerequisite: PHYS 610 or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 690
Credit Weight: 24
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: Independent thesis research work.

Notes:
Students must register for both PHYS 690D1 and PHYS 690D2
No credit will be given for this course unless both PHYS 690D1 and PHYS 690D2 are successfully completed in consecutive terms
PHYS 690D1 and PHYS 690D2 together are equivalent to PHYS 690

Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 690D1
Credit Weight: 12
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: Independent thesis research work.

Notes:
Students must register for both PHYS 690D1 and PHYS 690D2
No credit will be given for this course unless both PHYS 690D1 and PHYS 690D2 are successfully completed in consecutive terms
PHYS 690D1 and PHYS 690D2 together are equivalent to PHYS 690

Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 690D2
Credit Weight: 12
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: See PHYS 690D1 for course description.

Notes:
Prerequisite: PHYS 690D1
No credit will be given for this course unless both PHYS 690D1 and PHYS 690D2 are successfully completed in consecutive terms
PHYS 690D1 and PHYS 690D2 together are equivalent to PHYS 690

Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 690N1
Credit Weight: 12
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: Independent thesis research work.

Notes:
Students must also register for PHYS 690N2.
No credit will be given for this course unless both PHYS 690N1 and PHYS 690N2 are successfully completed in a twelve month period.

Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 690N2
Credit Weight: 12
Transcript Title: M.Sc. Thesis
Calendar Title: M.Sc. Thesis.
Description: Independent thesis research work.
Notes: Prerequisite: PHYS 690N1.
No credit will be given for this course unless both PHYS 690N1 and PHYS 690N2 are successfully completed in a twelve month period.
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 691
Credit Weight: 3
Transcript Title: Thesis Preparation
Calendar Title: Thesis Preparation.
Description: Directed study of research papers and experimental or theoretical techniques in the student's designated area of research under the supervision of the graduate studies committee of the Department.
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 692
Credit Weight: 6
Transcript Title: Thesis Project
Calendar Title: Thesis Project.
Description: Independent work under the direction of the student's supervisor on a research problem in the student's designated area of research leading to a project report or seminar.
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 692D1
Credit Weight: 3
Transcript Title: Thesis Project
Calendar Title: Thesis Project.
Description: Independent work under the direction of the student's supervisor on a research problem in the student's designated area of research leading to a project report or seminar.
Notes: Students must register for both PHYS 692D1 and PHYS 692D2
No credit will be given for this course unless both PHYS 692D1 and PHYS 692D2 are successfully completed in consecutive terms
PHYS 692D1 and PHYS 692D2 together are equivalent to PHYS 692
Administrating Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active
PHYS 692D2
Credit Weight: 3
Transcript Title: Thesis Project
Calendar Title: Thesis Project.
Description: See PHYS 692D1 for course description.
Notes: Prerequisite: PHYS 692D1
No credit will be given for this course unless both PHYS 692D1 and PHYS 692D2 are successfully completed in consecutive terms
PHYS 692D1 and PHYS 692D2 together are equivalent to PHYS 692
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 693
Credit Weight: 3
Transcript Title: M.Sc. Research
Calendar Title: M.Sc. Research.
Description: Independent work under the direction of the student's supervisor on a research problem in the student's designated area of research leading to a project report or seminar.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 700
Credit Weight: 0
Transcript Title: Preliminary Ph.D. Examination
Calendar Title: Preliminary Ph.D. Examination.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 717
Credit Weight: 3
Transcript Title: Many-body Physics
Calendar Title: Many-body Physics.
Description: Real-time and imaginary-time Green functions; Diagrammatic perturbation theory; Quantum linear response and Kubo formulæ; Path-integral techniques; Fermi gas; Impurity averaging; Interacting electron gas; Magnetism; Phonons & electron-phonon interaction; Superconductivity; Luttinger liquids
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 718
Credit Weight: 3
Transcript Title: Sp Topics-Solid State Phys 1
Calendar Title: Special Topics: Solid State Physics 1.
Description: Specialized discussion of some current problems in solid state physics.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 719
Credit Weight: 3
Transcript Title: Sp Topics-Solid State Phys 2
Calendar Title: Special Topics: Solid State Physics 2.
Description: Specialized discussion of some current problems in solid state physics.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 729
Credit Weight: 3
Transcript Title: Sp Topics in Nuclear Physics
Calendar Title: Special Topics in Nuclear Physics.
Description: Specialized discussion of some current problems in nuclear physics.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 730
Credit Weight: 3
Transcript Title: Sp Topics: High Energy Phys 1
Calendar Title: Special Topics: High Energy Physics 1.
Description: Specialized discussion of some current problems in theoretical particle physics.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 731
Credit Weight: 3
Transcript Title: Sp Topics: High Energy Phys 2
Calendar Title: Special Topics: High Energy Physics 2.
Description: Specialized discussion of some current problems in theoretical particle physics.
Notes: 3 hours
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 741
Credit Weight: 3
Transcript Title: Superstring Theory
Calendar Title: Superstring Theory.
Description: Introduction to the main concepts and tools of modern string theory. Overview of the perturbative worldsheet description of bosonic and supersymmetric string theories. Various concepts in two dimensional conformal field theory. Introduction to the non-perturbative physics of string theory, including D-branes, compactifications and duality.
Notes: Prerequisite: PHYS 610.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 742
Credit Weight: 3
Transcript Title: Intro to the Standard Model
Calendar Title: Introduction to the Standard Model.
Description: Introduction to the Standard Model of Particle Physics. Review of field theory preliminaries. Phenomenology such as decay of Z and W bosons, heavy lepton decay, scattering and the Z resonance, with development of computational methods as needed. Effective field theories, bound states in QCD, QCD interactions and possible extension of the standard model.
Notes: Prerequisite: PHYS 610.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 743
Credit Weight: 3
Transcript Title: Very Early Universe
Calendar Title: Very Early Universe.
Notes: Prerequisite: PHYS 514, General Relativity.
Corequisite: PHYS 610, Quantum Field Theory 1.
Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 744
Credit Weight: 3
Transcript Title: Finite Temp Field Theory
Calendar Title: Finite Temperature Field Theory.
Description: Tools of finite temperature (relativistic) field theory. Thermodynamics, introducing bosonic and fermionic Euclidean path integrals. Pressure in a free theory, the perturbative expansion, thermal masses, and symmetry
restoration. Schwinger-Keldysh contour path integral and its perturbative expansion. Collective phenomena such as dispersion corrections, plasma oscillations, Debye screening and Landau damping.

Notes:
Prerequisite: PHYS 610.

Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active

PHYS 745
Credit Weight: 3
Transcript Title: Supersymmetry and Supergravity
Calendar Title: Supersymmetry and Supergravity.

Description:
Introduction to supersymmetry and supergravity, including the Minimal Supersymmetric Standard Model (MSSM). Basic formalism of supersymmetry (SUSY) transformations and the superfield formalism, simple SUSY models, the MSSM and its phenomenology, mechanisms for breaking supersymmetry, introduction to 4-D supergravity.

Notes:
Prerequisite: PHYS 610.

Administering Faculty: Graduate Studies
Teaching Department: Physics
Status (catalog level): Active
PLAI 300
Credit Weight: 3
Transcript Title: Interdisc Humanities Topics
Calendar Title: Interdisciplinary Humanities Topics.
Description:
Co-taught introduction to interdisciplinary study in the humanities employing a
diverse range of perspectives in the humanities in order to explore a selected
person, idea or problem, or a selected work of literature, art, or intellect.
Questions of disciplinary practices and boundaries are considered. Fieldwork will
be incorporated where possible and appropriate.
Notes:
See http://www.mcgill.ca/iplai/courses/ for details on current teaching faculty
and course topics.
Administrating Faculty: Faculty of Arts
Teaching Department: Inst Public Life-Arts & Ideas
Status (catalog level): Active

PLAI 400
Credit Weight: 3
Transcript Title: Interdisc Seminar in the Human
Calendar Title: Interdisciplinary Seminar in the Humanities.
Description:
Co-taught seminar in interdisciplinary study in the humanities examining a
particular social or cultural problem, phenomenon, artistic trend or medium, from
multiple disciplinary perspectives. Questions of disciplinary boundaries are
considered.
Notes:
Prerequisite: Minimum U2 status with some background in humanities scholarship
See http://www.mcgill.ca/iplai/courses/ for details on current teaching faculty
and course topics.
Administrating Faculty: Faculty of Arts
Teaching Department: Inst Public Life-Arts & Ideas
Status (catalog level): Active

PLAI 500
Credit Weight: 3
Transcript Title: Adv Interdisc Humanities Sem
Calendar Title: Advanced Interdisciplinary Humanities Seminar.
Description:
Co-taught seminar will use and explore a range of theoretical and methodological
approaches to interdisciplinary research in the humanities in the study of a
selected cultural problem or topic, text, artwork, aesthetic or medium.
Notes:
Prerequisite: Minimum U3 status with a background in humanities scholarship
See http://www.mcgill.ca/iplai/courses/ for details on current teaching faculty
and course topics.
Administrating Faculty: Faculty of Arts
Teaching Department: Inst Public Life-Arts & Ideas
Status (catalog level): Active

PLAI 600
Credit Weight: 3
Transcript Title: Interdisc Theories and Methods
Calendar Title: Interdisciplinary Theories and Methods.
Description:
Co-taught graduate seminar concerning the theoretical and methodological treatment
of interdisciplinary study through examination of a selected cultural problem or
topic, text, artwork, aesthetic or medium.

Notes:
Prerequisite: Permission of instructor
See http://www.mcgill.ca/iplai/courses/ for details on current teaching faculty and course topics.

Administering Faculty: Graduate Studies
Teaching Department: Inst Public Life-Arts & Ideas
Status (catalog level): Active
PLNT 203
Credit Weight: 3
Transcript Title: Economic Botany
Calendar Title: Economic Botany.
Description:
Study of plants which are useful or harmful to humans, their origins and history, botanical relationships, chemical constituents which make them economically important; their roles in prehistoric and modern cultures and civilization and possible impact in the future.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 221
Credit Weight: 1
Transcript Title: Introduction to Fungi
Calendar Title: Introduction to Fungi.
Description:
Field and laboratory survey of local representatives of the major groups of fungi, including edible and poisonous mushrooms. The role of each group in terrestrial and aquatic ecological niches will be studied with respect to saprophytism, parasitism and symbiosis. Economic importance of fungi in medicine and biotechnology will be introduced.

Notes:
Four 4-hour field labs, given during the second 4 weeks of semester
Second 4 weeks of term only
This course carries an additional charge of $31.15 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 300
Credit Weight: 3
Transcript Title: Cropping Systems
Calendar Title: Cropping Systems.
Description:
Application of plant science and soil science to production of agronomic and horticultural crops. Use and sustainability of fertilization, weed control, crop rotation, tillage, drainage and irrigation practices.

Notes:
3 lectures and one 3-hour lab
Prerequisite: AEBl 210

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 302
Credit Weight: 3
Transcript Title: Forage Crops and Pastures
Calendar Title: Forage Crops and Pastures.
Description:
Ecology, management, and physiology of forage crops with emphasis on establishment, growth, maintenance, harvesting, and preservation; value as livestock feed in terms of nutritional composition and role in environmental conservation.
Notes:
Prerequisites: PLNT 201 or AEBI 210 or AEBI 211 or WILD 200
Restriction: Not open to students who have taken PLNT 331.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 304
Credit Weight: 3
Transcript Title: Biology of Fungi
Calendar Title: Biology of Fungi.
Description:
This course describes the various groups of fungi and explores in depth their biology and physiology, their ecological niches and the role in various ecosystems and their benefits and uses in industry and biotechnology.
Notes:
3 lectures and one 3-hour lab
Restriction: U2 or above, or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 305
Credit Weight: 3
Transcript Title: Plant Pathology
Calendar Title: Plant Pathology.
Description:
The theory and concepts of plant pathology, including the disease cycle, infection, symptoms, resistance, epidemiology and control. The biology and taxonomy of pathogens will be studied, including fungi, bacteria, viruses and nematodes. Techniques of inoculation, isolation of pathogens from diseased plants, disease diagnosis and pathogen identification will be demonstrated.
Notes:
3 lectures and one 3-hour lab
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 307
Credit Weight: 3
Transcript Title: Agroecol of Vegetables&Fruits
Calendar Title: Agroecology of Vegetables and Fruits.
Description:
Application of ecological concepts and principles to the design and management of selected vegetable and fruit agroecosystems. Includes selection of varieties and management from seedling to harvest to storage.
Notes:
Prerequisite: AEBI 210 or permission of the instructor
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 310
Credit Weight: 3
Transcript Title: Plant Propagation
Calendar Title: Plant Propagation.
Description:
Principles and practical aspects of plant propagation are examined. The course consists of two parts. The first third deals with sexual propagation; the production, processing storage certification and analysis of seeds. The remaining two-thirds deals with vegetative propagation; cutting, budding, grafting, layering, and tissue culture.

Notes:
3 lectures and one 3-hour lab

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 312
Credit Weight: 3
Transcript Title: Urban Horticulture
Calendar Title: Urban Horticulture.
Description:
Selection, use and care of plants in urban environments for the benefit of urban populations: landscape design, turf and green space management, urban trees, green roofs and walls, design and management of community gardens, urban agriculture.
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisite(s): AEBI 210 or ENVR 202 or BIOL 205 or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 322
Credit Weight: 3
Transcript Title: Greenhouse Management
Calendar Title: Greenhouse Management.
Description:
The production of major flower and vegetable crops in greenhouses. Includes greenhouse design, heating, ventilation, lighting, hydroponics, irrigation, fertilization, scheduling and integrated pest management.
Symbols: ALTY - Taught in alternate years
Notes:
3 lectures and one 3-hour lab
Prerequisite(s): AEBI 210 or ENVR 202 or BIOL 205 or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 350
Credit Weight: 2
Transcript Title: Special Topics:Plant Science 1
Calendar Title: Special Topics: Plant Science 1.
Description:
Special topics in plant science. A course of independent study by the student under the guidance of a professor of recognized competence in the area of the chosen topic.
Notes:
Restriction(s): Not open to students who have taken PLNT 450.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Inactive
PLNT 353
Credit Weight: 3
Transcript Title: Plant Structure and Function
Calendar Title: Plant Structure and Function
Description: The general anatomy and physiology of vascular plants with emphasis on how physiological processes influence function.
Notes:
Winter
2 lectures and one 3-hour lab
Prerequisites: AEBI 210 and LSCI 204 and LSCI 211 or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 358
Credit Weight: 3
Transcript Title: Flowering Plant Diversity
Calendar Title: Flowering Plant Diversity
Description: Principles of classification and identification of flowering plants and ferns, with emphasis on 35 major families of flowering plants and the habitats in which they grow.
Notes:
A 4-day field week is held the week preceding the start of classes
Prerequisite: AEBI 210 or ENVR 202 or permission of instructor
A $92.68 fee is charged to all students registered in this course, which has a fieldwork component prior to the beginning of classes in August. This fee is used to support the cost of excursions, a hand lens, instructional handouts and identification aids. Students who have already received a hand lens may request a reimbursement of a portion of this charge through their department.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 426
Credit Weight: 3
Transcript Title: Plant Ecophysiology
Calendar Title: Plant Ecophysiology
Description: This course investigates the complex interactions between plants and their environment, focusing on the mechanisms underlying plant physiological processes. Plasticity of plants to their ecological environment; topics include phytoremediation, plant stress responses, plant-symbiosis and plant-insect interactions.
Notes:
Prerequisites: LSCI 204 and PLNT 353 or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 430
Credit Weight: 3
Transcript Title: Pesticides in Agriculture
Calendar Title: Pesticides in Agriculture
Description:
Pesticide science concentrating on pesticide discovery, pesticide chemistries, pesticide development, pesticide technologies, mitigation of risks due to pesticides use, national and international pesticide regulations, registrations, and compliances.

Notes:
Prerequisite(s): AGRI 215, and one of PLNT 300, PLNT 302, PLNT 307, or PLNT 322 or permission from the instructor.
There is a fee of $55.07 for the purchase of a dust-moist filtering respirator/mask to be worn when handling pesticides during the laboratory for this course. This equipment is retained by the student.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 434
Credit Weight: 3
Transcript Title: Weed Biology and Control
Calendar Title: Weed Biology and Control.
Description:
A study of the biology of undesirable vegetation as related to the principles of prevention and physical, biological, managerial and chemical control. Emphasis on the environmental impact of the different methods of weed control.

Notes:
Prerequisite: AEBI 210
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 435
Credit Weight: 3
Transcript Title: Plant Breeding
Calendar Title: Plant Breeding.
Description:
Principles and practices of plant breeding, including reproduction of crop plants; plant hybridization; sources of genetic variation; selection methods used for self- and cross-pollinated crops and for clonally reproduced crops; breeding for diseases and pest resistance; applications of biotechnology in plant breeding.

Notes:
Prerequisites: AEBI 210 and LSCI 204
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 460
Credit Weight: 3
Transcript Title: Plant Ecology
Calendar Title: Plant Ecology.
Description:
Theory and practice of plant ecology with an emphasis on the interaction between patterns and ecological processes and the dynamics, conservation and management of plant populations and communities over a range of temporal and spatial scales.

Notes:
3 lectures and one 3-hour lab
Prerequisite: AEMA 310 or permission of instructor.
This course carries an additional charge of $170.00 to cover the cost of
transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.

**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Plant Science  
**Status (catalog level):** Active

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**PLNT 470**  
**Credit Weight:** 3  
**Transcript Title:** Cannabis Issues and Concerns  
**Calendar Title:** Cannabis Issues and Concerns.  
**Description:**  
Local, national and international perspectives on issues and concerns regarding cannabis, with a focus on legal, regulatory, ethical, health and safety aspects relevant to industry, government, academics and consumers.  
**Notes:**  
Corequisites: FDSC 475, FDSC 476, FDSC 477  
Restrictions: Only open to students enrolled in the Diploma in Commercial Cannabis  
**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Plant Science  
**Status (catalog level):** Active

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**PLNT 471**  
**Credit Weight:** 4  
**Transcript Title:** Commercial Cannabis Production  
**Calendar Title:** Commercial Cannabis Production.  
**Description:**  
**Notes:**  
Corequisites: PLNT 472 and PLNT 473  
Prerequisite: PLNT 470  
All pre-requisites must be passed with a minimum grade of B-  
**Administrating Faculty:** Faculty of Agric Environ Sci  
**Teaching Department:** Plant Science  
**Status (catalog level):** Active

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**PLNT 472**  
**Credit Weight:** 4  
**Transcript Title:** Cannabis Genetics and Breeding  
**Calendar Title:** Cannabis Genetics and Breeding.  
**Description:**  
Cannabis genetic structure and available genomic resources for cannabis research. Introduction to high throughput genomic technologies for the improvement of cannabis cultivars and hybrids and tissue culture protocols. Origin and taxonomic classification of the cannabis genus. Principles and practices of cannabis breeding, including the importance of quantitative trait locus maps and methods of selection of important genetic traits.  
**Notes:**  
Corequisite: PLNT 471 and PLNT 473  
Prerequisite: PLNT 470  
Restrictions: Open only to students enrolled in the Diploma in Commercial Cannabis  
All pre-requisites must be passed with a minimum grade of B-
Administering Faculty: Faculty of Agric Environ Sci  
Teaching Department: Plant Science  
Status (catalog level): Active

PLNT 473  
Credit Weight: 4  
Transcript Title: Control of Cannabis Diseases  
Calendar Title: Control of Cannabis Diseases.  
Description: Diseases and pest management of cannabis grown under greenhouse and field settings. A systemic approach to descriptions of pests and diseases accompanied by an overview of biological, natural and management solutions to pests and cannabis diseases. Details on products and application methods that are in compliance with Health Canada. Practical laboratory sessions to identify various disease symptoms on cannabis plants and to recommend solutions.  
Notes: Corequisite: PLNT 471 and PLNT 472  
Prerequisite: PLNT 470  
Restriction: Only open to students enrolled in the Diploma in Commercial Cannabis. All pre-requisites must be passed with a minimum grade of B-. 

PLNT 474  
Credit Weight: 6  
Transcript Title: Commercial Cannabis Intern.  
Calendar Title: Commercial Cannabis Internship.  
Description: A 12-week internship with a licensed cannabis producer. Workshops in advance of the placement will review professionalism expected when working in industry and with controlled substances. Students will produce a small project or prepare a research paper as part of their internship.  
Notes: Prerequisite: PLNT 473  
Restriction: Open only to students enrolled in the Diploma in Commercial Cannabis. All pre-requisites must be passed with a minimum grade of B-. Students must successfully complete a criminal record check. 

PLNT 602  
Credit Weight: 3  
Transcript Title: Advances in Agronomy  
Calendar Title: Advances in Agronomy.  
Description: Current topics related to the growth and development and quality of crops. Topics to be covered may include factors affecting crop growth, yield and advances in plant breeding.  

Administering Faculty: Graduate Studies  
Teaching Department: Plant Science  
Status (catalog level): Active

PLNT 619
Credit Weight: 3
Transcript Title: Adv in Plant Biology & Physiol
Calendar Title: Advances in Plant Biology and Physiology.
Description:
Current topics related to plant physiology and biology. Topics to be covered may include photosynthesis, nutrient uptake, water relations, cellular regulation, plant secondary metabolism, advanced micropropagation and techniques used to study plant physiology.
Notes:
3 hours conference
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 622
Credit Weight: 3
Transcript Title: Advances in Plant Protection
Calendar Title: Advances in Plant Protection.
Description:
Current topics related to plant protection. Review of current literature on selected topics that may include control of weeds, pathogens and/or insects.
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 635
Credit Weight: 3
Transcript Title: Advanced Plant Breeding
Calendar Title: Advanced Plant Breeding.
Description:
Improving crop traits to meet the needs of feeding a growing population under the threat of climate change and other factors. Quantitative genetic variation and inheritance. Fundamental and advanced topics in breeding for quantitative traits. Use of cutting-edge tools to solve plant breeding problems. Study quantitative trait variation at various levels (e.g., genomic to phenomic)
Notes:
Prerequisites: AEMA 310 or equivalent; LSCI 204 or equivalent; and permission of the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 646
Credit Weight: 3
Transcript Title: Adv Plt-Biotic/Abiotic Interac
Calendar Title: Advances in Plant-Biotic and -Abiotic Interactions.
Description:
Current topics related to plant interactions with their biotic and/or abiotic environment. Topics to be covered may include plant-microbe interactions, plant-insect interactions and plant responses to abiotic stresses.
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 662
Credit Weight: 3
Transcript Title: Adv in Plant Biotechnology
Calendar Title: Advances in Plant Biotechnology.
Description:
Current techniques used in plant molecular biology. Topics to be covered may include plant biotechnology, recombinant DNA techniques, transgenic plants as well and gene and gene product analysis. Review of current literature on selected topics in plant molecular biology and genetics.
Notes:
3 hours lab
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 664
Credit Weight: 12
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description:
Written and oral presentation of thesis proposal to the research supervisory committee.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 665
Credit Weight: 12
Transcript Title: M.Sc. Thesis 2
Calendar Title: M.Sc. Thesis 2.
Description:
Oral presentation of a proposal to the department and progress report on the thesis research project to the supervisory committee.
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 666
Credit Weight: 15
Transcript Title: M.Sc. Thesis 3
Calendar Title: M.Sc. Thesis 3.
Description:
Preparation and submission of an acceptable thesis. Oral presentation of the thesis research to the department.
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 667
Credit Weight: 12
Transcript Title: MSc Thesis 3A
Calendar Title: MSc Thesis 3A.
Description:
Preparation and submission of an acceptable thesis.
Notes:
Prerequisites: PLNT 664, PLNT 665
Restriction: Not open to students who have taken PLNT 666.
Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 670
Credit Weight: 3
Transcript Title: Special Topics
Calendar Title: Special Topics.
Description:
This course is designed to develop seminar presentation skills in graduate students. The course consists of instruction on audio-visual preparation, speaking style, and organization of content, plus practice presentations by students.
Notes:
2 hours seminar

Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 690
Credit Weight: 0
Transcript Title: Research Horizons: Plant Sci 1
Calendar Title: Research Horizons in Plant Science 1.
Description:
A series of seminars presented by invited speakers, staff and senior graduate students. The topics are selected to integrate the many fields of plant science.

Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 691
Credit Weight: 0
Transcript Title: Research Horizons: Plant Sci 2
Calendar Title: Research Horizons in Plant Science 2.
Description:
A series of seminars presented by invited speakers, staff and senior graduate students. The topics are selected to integrate the many fields of plant science.

Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active

PLNT 701
Credit Weight: 0
Transcript Title: Doctoral Comprehensive Exam
Calendar Title: Doctoral Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Plant Science
Status (catalog level): Active
POLI 200
Credit Weight: 3
Transcript Title: Intro to Political Science
Calendar Title: Introduction to Political Science.
Description:
This course presents an introduction to political science, including the basic theories, concepts, approaches, and to the enduring questions that motivate political research. It prepares students for further coursework in political science. Students will leave this course with an empirical grasp of current political debates, as well as an overall understanding of the approaches to the fundamental issues that arise in the subfields of the department: political theory, comparative politics, international relations, and Canadian politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 210
Credit Weight: 3
Transcript Title: Poli Sci Research Methods
Calendar Title: Political Science Research Methods.
Description:
This course provides an introduction to political science research methods. The aim of the course is to familiarize students with the scientific study of politics, the variety of research methodologies in political science, and the challenges that arise when researchers attempt to explain or measure political phenomena, demonstrate causal relationships and draw methodologically-defensible conclusions from research.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 212
Credit Weight: 3
Transcript Title: Gov't&Politics-Developed World
Calendar Title: Government and Politics - Developed World.
Description:
The nature of politics in a few selected nations of the industrialized world, applying the concepts introduced in POLI 211 to specific national contexts. Countries studied will be drawn principally from Europe and North America.
Notes:
Note: The area in the field of Comparative Politics is Developed Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 221
Credit Weight: 3
Transcript Title: Government of Canada
Calendar Title: Government of Canada.
Description:
An examination of the central governmental institutions, including parliament, federalism, and the judiciary.
Notes:
Note: The field is Canadian Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active
POLI 222
Credit Weight: 3
Transcript Title: Political Proc&Behav in Canada
Calendar Title: Political Process and Behaviour in Canada.
Description:
An introduction to contemporary political life in Canada that examines how demands are identified and transmitted through the political systems. Emphasis will be placed on: the Canadian political culture; socialization and political participation; the electoral system; elections and voting; the role and structure of political parties; and the influence of organized interest.
Notes:
Note: The field is Canadian Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 226
Credit Weight: 3
Transcript Title: La vie politique québécoise
Calendar Title: La vie politique québécoise.
Description:
Une introduction à la vie politique québécoise à travers l'étude des institutions, des idéologies et des comportements politiques. Une attention particulière sera accordée à la structure et aux changements dans le système politique québécoise.
Notes:
Restriction: An ability to understand and read French is required; writing and speaking ability are not.
This course is offered in English and French in alternate years. For 2012-13 it will be offered in French.
Note: The field is Canadian Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 227
Credit Weight: 3
Transcript Title: Developing Areas/Introduction
Calendar Title: Developing Areas/Introduction.
Description:
An introduction to Third World politics. A comparative examination of the legacies of colonialism, the achievement of independence, and contemporary dynamics of political and socio-economic development in Africa, Asia and Latin America. Topics include modernization, dependency, state-building and national integration, revolution, the role of the military, and democratization.
Notes:
Note: The area in the field of Comparative Politics is Developing Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 231
Credit Weight: 3
Transcript Title: Intro to Political Theory
Calendar Title: Introduction to Political Theory.
Description:
The course introduces students to political theory through critical examination of classic texts in the history of political thought. In addition to gaining an understanding of several different traditions of political thought, students are encouraged to develop their skills in textual interpretation, critical reasoning, and essay-writing.

Notes:
Note: The field is Political Theory.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 243
Credit Weight: 3
Transcript Title: Intl Poltcs of Econ Relations
Calendar Title: International Politics of Economic Relations.
Description:
An introduction to international relations, through examples drawn from international political economy. The emphasis will be on the politics of trade and international monetary relations.

Notes:
Note: The field is International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 244
Credit Weight: 3
Transcript Title: Intl Politics: State Behaviour
Calendar Title: International Politics: State Behaviour.
Description:
Offers a comprehensive introduction to the behaviour of nation states. Explores how states make foreign policy decisions and what motivates their behaviour. Other covered topics include the military and economic dimensions of state behaviour, conflict, cooperation, interdependence, integration, globalization, and change in the international system.

Notes:
Note: The field is International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 311
Credit Weight: 3
Transcript Title: Intro to Quantitative Pol Sci
Calendar Title: Introduction to Quantitative Political Science.
Description:
Building on POLI 210 (or equivalent), this course will introduce students to modern quantitative political science methods and teach them the requisite programming skills for data analysis. The course will provide students the foundational statistical skills to apply to their own research projects and to become more informed consumers of quantitative data in and outside of the academic context.

Notes:
Prerequisite(s): POLI 210 or equivalent, or permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 312
Credit Weight: 3
Transcript Title: Intermed. Quant. Political Sci
Calendar Title: Intermediate Quantitative Political Science.
Description: Building on POLI 311 (or equivalent), this course will deepen students’ understanding of modern quantitative political science tools as well as deepen their statistical programming skills.
Notes: Prerequisite: POLI 311
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 313
Credit Weight: 3
Transcript Title: Intro to Qual Methods:Poli Sci
Calendar Title: Introduction to Qualitative Methods in Political Science.
Description: Introduction to the basic concepts, approaches, and techniques of qualitative research methods in political science. It covers both positivist and interpretivist approaches, and techniques such as interviewing, focus groups, case studies, comparative historical analysis, discourse analysis, archival research, and ethnographic research.
Notes: Restrictions: POLI 210 or equivalent, or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 316
Credit Weight: 3
Transcript Title: Black Lives Matter&Amer Democ
Calendar Title: Black Lives Matter and American Democracy.
Description: Explores the history, ideological origins, and contemporary politics of the Black Lives Matter movement and its relationship to American democracy.
Notes: Prerequisites At least one of POLI 212, POLI 221, POLI 222, POLI 226, POLI 227, or POLI 231.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 317
Credit Weight: 3
Transcript Title: The Politics of Race in Canada
Calendar Title: The Politics of Race in Canada.
Description: An examination of the key theories and debates around race in Canadian politics. Considers how race has interacted with political development in Canada and the role of policies, laws, and regulations in creating, maintaining, and rectifying circumstances of racial inequality.
Notes:
Prerequisites: at least one of POLI 212, POLI 221, POLI 222, POLI 226, POLI 227, or POLI 231.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

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**POLI 318**  
**Credit Weight:** 3  
**Transcript Title:** Comparative Local Government  
**Calendar Title:** Comparative Local Government.  
**Description:**  
An examination of the organization and conduct of local government in Canada, the United States, and selected European countries. Attention to theories of local government, the criteria for comparative analysis, the provision of public goods and bads, urban political patterns and the constitution of new institutional arrangements to deal with "urban crises" in North America.  
**Notes:**  
Prerequisite: POLI 211 or POLI 212 or written permission of instructor  
Note: The area in the field of Comparative Politics is Developed Areas; also in the field of Canadian Politics.  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

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**POLI 319**  
**Credit Weight:** 3  
**Transcript Title:** Politics of Latin America  
**Calendar Title:** Politics of Latin America.  
**Description:**  
This course will deal with the dynamics of political change in Latin America today.  
**Notes:**  
Prerequisite: A basic course in Comparative Politics or a course on the region or written permission of the instructor  
Note: The area in the field of Comparative Politics is Developing Areas.  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

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**POLI 320**  
**Credit Weight:** 3  
**Transcript Title:** Issues in Canadian Democracy  
**Calendar Title:** Issues in Canadian Democracy.  
**Description:**  
Critical analysis of selected issues and debates in Canadian politics, including citizen participation, electoral system effects, party financing, office-seeking, approaches to representation, and direct democracy and non-party alternatives. Topics are examined from both the perspective of the general population and the specific experience of women and ethno-racial minorities.  
**Notes:**  
Prerequisite: At least one other course in Canadian or Comparative Government and Politics or permission of instructor  
Note: The field is Canadian Politics.  

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Political Science  
**Status (catalog level):** Active
POLI 321
Credit Weight: 3
Transcript Title: Issues: Canadian Public Policy
Calendar Title: Issues: Canadian Public Policy.
Description:
The Canadian political process through an analysis of critical policy issues in community development, welfare state, education, and institutional reforms in public service delivery systems. Diagnostic and prescriptive interpretations of public choices in a federal-parliamentary regime.
Notes:
Prerequisite: at least one other course in Canadian or Comparative Politics
Note: The field is Canadian Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 322
Credit Weight: 3
Transcript Title: Political Change: South Asia
Calendar Title: Political Change in South Asia.
Description:
Political change in South Asia in late colonial and post-colonial periods. Issues covered include social and cultural history; colonial rule, nationalism and state formation; democratic and authoritarian tendencies; economic policies and consequences; challenges to patterns of dominance and national boundaries; prospects for democracy, prosperity and equality.
Notes:
Prerequisite: A basic course in Comparative Politics or a course on the region or written permission of the instructor
Note: The area in the field of Comparative Politics is Developing Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 324
Credit Weight: 3
Transcript Title: Developing Areas/Africa
Calendar Title: Developing Areas/Africa.
Description:
The government and politics of African states south of the Sahara with reference to the ideological and institutional setting as influenced by the forces of tradition and the impact of Western colonialism.
Notes:
Prerequisite: A basic course in Comparative Politics or a course on the region or written permission of the instructor
Note: The area in the field of Comparative Politics is Developing Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 325
Credit Weight: 3
Transcript Title: U.S. Politics
Calendar Title: U.S. Politics.
Description:
The founding of the American political system, with emphasis on the major documents, the Constitutional Convention, and the Federalist Papers, as well as the development of the constitutional system. Other fundamental characteristics, including political thought and federalism, will be examined. The main institutions, including the presidency, Congress, and the Supreme Court, will receive attention.

Notes:
Prerequisite(s): POLI 200 or POLI 212 or written permission of the instructor.
Restriction(s): Not open to students who have taken POLI 325D1/D2.
Note: The area in the field of Comparative Politics is Developed Areas.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 326
Credit Weight: 3
Transcript Title: Provincial Politics
Calendar Title: Provincial Politics.
Description:
The effect of regional and provincial culture on the operation of political parties and the institutions of government; the effect of institutional modernization on provincial governments; the role of provincial sub-systems within the Canadian political system.

Notes:
Prerequisite: A basic course in Canadian Government or Politics or permission of the instructor
Note: The field is Canadian Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 328
Credit Weight: 3
Transcript Title: Comparing European Democracies
Calendar Title: Comparing European Democracies.
Description:
An introduction to the study of contemporary European politics. The course presents the basic concepts and approaches used in the field of European comparative politics and examines patterns of similarity and difference across Europe, as well as some current political debates in Europe.

Notes:
Prerequisites: POLI 211 or POLI 212, or POLI 227
Note: The field is Comparative Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 329
Credit Weight: 3
Transcript Title: Russian and Soviet Politics
Calendar Title: Russian and Soviet Politics.
Description:
This course explores the institutions of the Soviet system and pressures to reform this system. Examines specific changes made to the system through democratization and market reform. Compares these changes to similar transitions in other countries to assess possible twists in Russian's political future.
Notes:
Prerequisite: POLI 211, POLI 212, or written consent of instructor; Soviet history helpful but not required
Note: The area in the field of Comparative Politics is Developed Areas.

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 330
Credit Weight: 3
Transcript Title: Law and Courts in Europe
Calendar Title: Law and Courts in Europe.
Description: Judicial politics in continental Europe, including theoretical accounts of the rule of law, judicial independence, power, and accountability, and the judicialization of politics. Empirical examples will be drawn from both Western and Eastern Europe countries, as well as the constitutional and the ordinary judiciaries.

Notes:
Prerequisite: POLI 211 or POLI 212
Restrictions: Not open to students who have taken POLI 339 in 2006-2007 or 2007-2008

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 331
Credit Weight: 3
Transcript Title: Politics in E Central Europe
Calendar Title: Politics in East Central Europe.
Description: Analysis of recent dramatic changes in East Central Europe in light of the historical development and current structure of these states, their relationship to their societies, with emphasis on diversity and its sources.

Notes:
Prerequisite: Some prior related course i.e. Comparative Politics or East European History or written consent of the instructor. Recommended POLI 329.

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 333
Credit Weight: 3
Transcript Title: Western Political Theory 1
Calendar Title: Western Political Theory 1.
Description: The major themes and writers in the political theory of classical antiquity. The political ideas of Thucydides, Plato, Aristotle, and the Hellenistic philosophers will be explored through the significant texts of this period.

Notes:
Prerequisite: POLI 231 or POLI 232 or PHIL 240 or at least two political science courses at the 300 level; or permission of the instructor
Note: The field is Political Theory.

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active
POLI 334
Credit Weight: 3
Transcript Title: Western Political Theory 2
Calendar Title: Western Political Theory 2.
Description:
Medieval and renaissance political philosophy, from Saint Augustine to Sir Thomas More. Scholastic and neo-scholastic political thought, natural law and natural rights, as well as civic and northern humanism, republicanism and liberty. Twentieth century work on similar concepts will be used.
Notes:
Prerequisite: POLI 333 or written permission of the instructor. POLI 333 should be taken before this course.
Note: The field is Political Theory.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 336
Credit Weight: 3
Transcript Title: Le Québec et le Canada
Calendar Title: Le Québec et le Canada.
Description:
Comment les Canadiens anglais et les Québécois se perçoivent-ils? Les différences culturelles entre les deux groupes. Les relations politiques et économiques entre les deux groupes. L’impact de la Révolution Tranquille. La place des francophones et des anglophones dans la vie collective. Les projets de réaménagement du cadre politique.
Notes:
Restrictions: An ability to understand and read French is required; writing and speaking ability are not. Not open to students who have taken QCST 336.
Note: The field is Canadian Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 338
Credit Weight: 3
Transcript Title: Developing Areas/Topics 1
Calendar Title: Developing Areas/Topics 1.
Description:
Selected aspects of the Third World. In any given year the course will concentrate either on a particular region or on a relevant thematic problem.
Notes:
Prerequisite: A basic course in Comparative Politics or a course on the region or written permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 339
Credit Weight: 3
Transcript Title: Comp Developed: Topics 1
Calendar Title: Comparative Developed: Topics 1.
Description:
Selected aspects of politics in developed countries.
Notes:
Prerequisite: a basic course in Comparative Politics or written permission of the instructor
Note: The area in the field of Comparative Politics is Developed Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 340
Credit Weight: 3
Transcript Title: Developing Areas/Middle East
Calendar Title: Developing Areas/Middle East.
Description:
An examination of the societies, political forces and regimes of selected countries of the Eastern Arab world (Egypt, Syria, Lebanon, Jordan, Palestine, Saudi Arabia).

Notes:
Prerequisite: A basic course in Comparative Politics or a course on the region or written permission of the instructor
Note: The area in the field of Comparative Politics is Developing Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 341
Credit Weight: 3
Transcript Title: Foreign Policy: The Middle East
Calendar Title: Foreign Policy: The Middle East.
Description:
An examination of the changing regional security environment and the evolving foreign policies and relationships of Arab states in three areas - relations with non-Arab regional powers (Israel, Iran), inter-Arab relations, Great Power relations. The course will focus particularly on Egypt, Syria, Iraq and Saudi Arabia.

Notes:
Prerequisite: A 200- or 300- level course in International Relations or Middle East politics or permission of the instructor
Note: The field is International Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 342
Credit Weight: 3
Transcript Title: Canadian Foreign Policy
Calendar Title: Canadian Foreign Policy.
Description:

Notes:
Prerequisite: A basic course in Canadian Government and Politics or International Politics or written consent of instructor
Note: The fields are International Politics and Canadian Politics.
POLI 345
Credit Weight: 3
Transcript Title: International Organizations
Calendar Title: International Organizations.
Description:
The politics and processes of global governance in the 21st century, with a special emphasis on the United Nations system.
Notes:
Prerequisite: A basic course in International Politics or written consent of instructor
Note: The field is International Politics.

POLI 346
Credit Weight: 3
Transcript Title: American Foreign Policy
Calendar Title: American Foreign Policy.
Description:
An exploration of American foreign policy from 1945 to the present. Topics to be addressed are the origins of the Cold War, deterrence, strategy and arms control, American intervention in Latin America and Vietnam, U.S. policy in the Post Cold War era - Gulf War, Haiti, Somalia, Yugoslavia and relations with Japan.
Notes:
Prerequisite: POLI 244 or a course in American history
Note: The field is International Politics.

POLI 347
Credit Weight: 3
Transcript Title: Arab-Israel Confl,Crisis,Peace
Calendar Title: Arab-Israel Conflict, Crisis, Peace.
Description:
Concepts - protracted conflict, crisis, war, peace; system, subsystem; Conflict-levels of analysis; historical context; images and issues; attitudes, policies, role of major powers; Crises-Wars - configuration of power; crisis models; decision-making in 1956, 1967, 1973, 1982 crisis-wars; conflict- crisis management; Peace-Making - pre-1977; Egypt-Israel peace treaty; Madrid, Oslo, Israel-Jordan peace; prospects for conflict resolution.
Notes:
Prerequisite: 160-243 prior to 1997-98; or POLI 244
Note: The field is International Politics.

POLI 348
Credit Weight: 3
Transcript Title: Gender and Canadian Politics
Calendar Title: Gender and Canadian Politics.
Description: An examination of a variety of key thinkers and debates around gender in Canadian politics. Aims to give students the critical tools to examine the complexity of Canadian political society and gain a firm grasp on both the limits and possibilities of analyzing "gender" as it intersects and interlocks with other facets of identity and ideology.
Notes: Prerequisite: At least one other course in Canadian politics or GSFS
Note: The field is Canadian Politics
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 349
Credit Weight: 3
Transcript Title: Foreign Policy: Asia
Calendar Title: Foreign Policy: Asia.
Description: An overview of the foreign policies of two rising powers – China and India – in addition to Japan, covering the historical evolution, goals and determinants of their foreign policies, interactions with the rest of Asia and the world, and efforts at institutionalised cooperation in South and East Asia.
Notes: Prerequisites: POLI 243 or 244, or permission of the instructor.
Note: The field is International Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 350
Credit Weight: 3
Transcript Title: Global Environmental Politics
Calendar Title: Global Environmental Politics.
Description: Environmental problems like climate change, deforestation, biodiversity loss, and ocean acidification transcend national borders. Solving these problems will require global cooperation on an unprecedented level. This course will explore the challenges of contemporary global environmental governance and the innovative solutions being advanced at the community, municipal, provincial, national, and international levels.
Notes: Prerequisite(s): A basic course in International Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 352
Credit Weight: 3
Transcript Title: Intl Pol/Foreign Pol:Africa
Calendar Title: International Policy/Foreign Policy: Africa.
Description: A study of international politics in Africa; including Africa in the U.N., the Organization of African Unity, African regional groupings and integration, Africa as a foreign policy arena and African inter-state conflict and diplomacy.
Notes:
Prerequisite: A basic course in International or African politics or written consent of the instructor

Note: The field is International Politics.

Administering Faculty: Faculty of Arts

Teaching Department: Political Science

Status (catalog level): Active

**POLI 353**

Credit Weight: 3

Transcript Title: Politics Intl Refugee Regime

Calendar Title: Politics of the International Refugee Regime.

Description:
This course explores the causes and consequences of displacement, and international responses to this issue, focusing on forced migration linked to conflict, persecution and human rights abuses. It examines key actors, interests and norms that shape the international refugee regime, and international responses to other forms of displacement. Particular attention is devoted to the ways in which displaced persons themselves navigate and shape the regime, and to challenges including the resolution of displacement crises, and accountability for forced migration.

Notes:
Note: The field is International Politics.
Pre-requisite(s): A basic course in International Politics.

Administering Faculty: Faculty of Arts

Teaching Department: Political Science

Status (catalog level): Active

**POLI 354**

Credit Weight: 3

Transcript Title: Approaches to Intl Pol Econ

Calendar Title: Approaches to International Political Economy.

Description:
The course presents theoretical approaches to understanding change in the international political economy.

Notes:
Prerequisite: A basic course in International Relations and an introductory course in Macro Economics
Note: The field is International Politics.

Administering Faculty: Faculty of Arts

Teaching Department: Political Science

Status (catalog level): Active

**POLI 355**

Credit Weight: 3

Transcript Title: The Politics of Intl Law

Calendar Title: The Politics of International Law.

Description:
A survey of the relationship between international politics and international law. The study of the international legal regulation of such phenomena as war, humanitarian intervention, and transnational terrorism, is oriented towards a richer apprehension of the nature of international conflict, cooperation and governance in the contemporary world.

Notes:
Prerequisite(s): A basic course in International Politics.
Note: The field is International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 357
Credit Weight: 3
Transcript Title: Politics: Contemporary Europe
Calendar Title: Politics: Contemporary Europe.
Description:
An examination of political institutions and processes in today's Europe, concentrating on the member-states of the European Union and on the Union itself. The course is organized thematically rather than on a country-by-country basis.
Notes:
Prerequisite: POLI 212 or written permission of the instructor
Note: The area in the field of Comparative Politics is Developed Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 358
Credit Weight: 3
Transcript Title: Political Economy of Intl Orgs
Calendar Title: Political Economy of International Organizations.
Description:
The course focuses on the main issues in international cooperation and on the role of economic international institutions in world politics. The first part addresses the main debates related to international cooperation. The second part covers the international trade institutions such as the World Trade Organization. The third part covers the World Bank, the International Monetary Fund, the European Union, and environmental and energy organizations.
Notes:
Prerequisite(s): A basic course in International Politics.
Note: The field is International Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 359
Credit Weight: 3
Transcript Title: Topics in Intl Politics 1
Calendar Title: Topics in International Politics 1.
Description:
A specific problem area in International Relations.
Notes:
Prerequisite: A basic course in International Relations
Note: The field is International Politics.
The fee for this field course is $3500. The fee for this activity covers ground transportation, academic materials, accommodation, and other field related expenses.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 360
Credit Weight: 3
Transcript Title: Security: War and Peace
Calendar Title: Security: War and Peace.
**Description:**
Focuses on international security and strategies of war and peace in historical and comparative frameworks. Topics include case studies of 20th century wars, conventional and nuclear strategy, and various approaches to peace.

**Notes:**
Prerequisite: A basic course in International Relations or written permission of the instructor
Note: The field is International Politics.

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** Political Science
**Status (catalog level):** Active

**POLI 361**
**Credit Weight:** 3
**Transcript Title:** Political Partic: Comp Perspect
**Calendar Title:** Political Participation in Comparative Perspective.
**Description:**
Exploration of how citizens engage in politics. Theories and examples of current forms of political participation and mobilization will be introduced, including voting, party membership, transnational movements, political consumerism, culture jamming and internet activism. Examples are drawn from Europe and North America and sometimes from the developing world.

**Notes:**
Prerequisite: POLI 211 or POLI 212.
Note: The area in the field of Comparative Politics is Developed Areas.

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** Political Science
**Status (catalog level):** Active

**POLI 362**
**Credit Weight:** 3
**Transcript Title:** Political Theory and IR
**Calendar Title:** Political Theory and International Relations.
**Description:**
Key contributions of political theory to the study and practice of international relations. Three prevailing theoretical traditions will be examined: realism, 'international society', and cosmopolitanism. Key practical issues to be explored from these perspectives include war, humanitarian intervention, economic globalization, environment, and gender.

**Notes:**
Prerequisites: A 200 or 300-level course in political theory, and POLI 243 or POLI 244
Note: The fields are International Politics and Political Theory.

**Administrating Faculty:** Faculty of Arts
**Teaching Department:** Political Science
**Status (catalog level):** Active

**POLI 363**
**Credit Weight:** 3
**Transcript Title:** Contemporary Political Theory
**Calendar Title:** Contemporary Political Theory.
**Description:**
This course explores fundamental currents of thought in political philosophy. Topics will vary from year to year, and may include issues such as classical liberalism and its opponents, the foundations of socialism and Marxism, rational choice theory and its critics.
Notes:
Prerequisite: A 200 or 300 level course in political theory
Note: The field is Political Theory.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 364
Credit Weight: 3
Transcript Title: Radical Political Thought
Calendar Title: Radical Political Thought.
Description:
Radical themes in contemporary political thought and action.
Notes:
Prerequisite: A 200- or 300-level course in political theory
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 365
Credit Weight: 3
Transcript Title: Democratic Theory
Calendar Title: Democratic Theory.
Description:
A series of lectures and seminars on democratic theory.
Notes:
Prerequisite: Prerequisite: A 200- or 300-level course in political theory
Note: The field is Political Theory.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 366
Credit Weight: 3
Transcript Title: Topics in Political Theory 1
Calendar Title: Topics in Political Theory 1.
Description:
A specific problem area in Political Theory.
Notes:
Prerequisites: A 200- or 300-level course in political theory
Note: The field is Political Theory.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 367
Credit Weight: 3
Transcript Title: Liberal Political Theory
Calendar Title: Liberal Political Theory.
Description:
The development of liberal political thought and theories of justice, including a selection of authors from: Locke, Montesquieu, Smith, Constant, Kant, Mill, Tocqueville, Berlin, Hayek, Rawls, Nozick, Walzer, and Kymlicka, as well as some of their critics.
Notes:
Prerequisite: POLI 231, 232 or POLI 333
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 368
Credit Weight: 3
Transcript Title: Political Theory & Indigeneity
Calendar Title: Political Theory and Indigeneity.
Description:
Engages with diverse approaches in political theory that address the political situation of Indigenous peoples in multiple settler colonial contexts. Explores how indigeneity requires transformations in the conduct of political theory and in our understanding of the history of political thought, including Indigenous political thoughts as articulated by Indigenous scholars.
Notes:
Prerequisites: POLI 231

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 369
Credit Weight: 3
Transcript Title: Politics of Southeast Asia
Calendar Title: Politics of Southeast Asia.
Description:
Topics covered include: colonialism, nationalism, democracy, authoritarianism, war, economic development, social development, overseas Chinese, ethnicity, religion, populism, and international relations, as they apply to Southeast Asian politics.
Notes:
Prerequisite: 200 level course in comparative politics (POLI 211, POLI 212, or POLI 227).

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 371
Credit Weight: 3
Transcript Title: Challenge of Cnd Federalism
Calendar Title: Challenge of Canadian Federalism.
Description:
An analysis of the origins, evolution and nature of federalism in Canada. Topics and themes will include the impact of federalism on political institutions, the effect of different regional perspectives, and the issues and conflicts that currently confront Canadian federalism.
Notes:
Prerequisite: at least one course in Canadian politics
Note: The field is Canadian Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 372
Credit Weight: 3
Transcript Title: Indigenous Pples&the Cnd State
Calendar Title: Indigenous Peoples and the Canadian State.
Description:
The relationship of Indigenous politics to larger debates and literatures within political science, such as citizenship theory, federalism, and collective action. Subjects covered include Canada's treaty history, constitutional changes, key policy frameworks, and Indigenous political development.

Notes:
Prerequisite: At least one course in Canadian politics such as, POLI 221 or POLI 222 OR Permission of the instructor.
Restriction: Not open to students who have taken POLI 372 prior to W06.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 378
Credit Weight: 3
Transcript Title: The Canadian Judicial Process
Calendar Title: The Canadian Judicial Process.
Description:
An examination of the structure of the judiciary and its role in the Canadian political process. Topics include the nature of judicial power and its constitutional framework in Canada, the structure and function of courts, judicial recruitment and personnel, judicial policy-making and the political role of the Supreme Court under the Charter of Rights and Freedoms.

Notes:
Prerequisite: POLI 221 or POLI 222 or permission of the instructor
Restriction: Not open to students who took 160-379 (1990-91) or 160-427 (1989-90)
Note: The field is Canadian Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Inactive

POLI 379
Credit Weight: 3
Transcript Title: Topics in Canadian Politics
Calendar Title: Topics in Canadian Politics.
Description:
Topics in Canadian politics.

Notes:
Prerequisite: A basic course in Canadian Government and Politics
Note: The field is Canadian Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 380
Credit Weight: 3
Transcript Title: Contemporary Chinese Politics
Calendar Title: Contemporary Chinese Politics.
Description:
This course provides an introduction to key issues in contemporary Chinese politics, spanning the period from the Communist Revolution through the Maoist (1949-1976) and reform eras (1978 to present). Topics include both domestic politics and foreign policy.

Notes:
The area in the field of Comparative Politics is Developing Areas.
Prerequisite(s): A 200-level course in comparative politics (POLI 211, POLI 212,
**POLI 381**
*Credit Weight: 3*
**Transcript Title:** Politics in Japan and S Korea
**Calendar Title:** Politics in Japan and South Korea.
**Description:**
An introduction to key issues of contemporary politics in Japan and South Korea, covering the politics and economic development of Post-WWII Japan and Post-Korean War South Korea. Themes include: How were the contemporary political systems established in Japan and South Korea? How have these systems changed over time? What are the impacts of political institutions on the political and economic development in the two countries? How do social actors and political and economic institutions interact with each other? What are the foreign policymaking strategies in the two countries?
**Notes:**
The area in the field of Comparative Politics is Developed Areas.
Prerequisite(s): A 200-level course in comparative politics (POLI 211, POLI 212, or POLI 227).

**POLI 410**
*Credit Weight: 3*
**Transcript Title:** Canadian Political Parties
**Calendar Title:** Canadian Political Parties.
**Description:**
This course examines Canadian political parties and party systems, stressing patterns of historical development, party organization and finance, relationships with social movement, and the impact of Canadian federalism.
**Notes:**
Prerequisite: At least one other course in Canadian Politics
Note: The field is Canadian Politics.

**POLI 412**
*Credit Weight: 3*
**Transcript Title:** Canadian Voting/Public Opinion
**Calendar Title:** Canadian Voting/Public Opinion.
**Description:**
A critical examination of major debates within the literature on Canadian voting behaviour and public opinion.
**Notes:**
Prerequisite: at least one course in Canadian politics, preferably at the 300 or 400 level, or permission of the instructor
Note: The field is Canadian Politics.

**POLI 417**
Credit Weight: 3
Transcript Title: Health Care in Canada
Calendar Title: Health Care in Canada.
Description:
This course analyzes the theory and politics of health policy and institutions, comparing provincial models and contextualizing Canadian systems with international perspectives from the U.S. and Europe. Current health reform debates will be explored, particularly those involving federal-provincial relations, sustainable financing and the role of the state in social protection.
Notes:
Prerequisites: POLI 221 or POLI 221
Note: The field is Canadian Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 419
Credit Weight: 3
Transcript Title: Transitions from Communism
Calendar Title: Transitions from Communism.
Description:
Selected problems facing the Post-Soviet world. Themes include: new political institutions, parties, and groups; economic reform; social problems; ideological changes; the rise of ethnonationalism; linkages with the West.
Notes:
Prerequisites: One 200- or 300-level course in Comparative Politics required or written permission of the instructor; a Political Science, History or Sociology course on the USSR or Eastern Europe after WW II strongly recommended.
Note: The area in the field of Comparative Politics is Developed Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 420
Credit Weight: 3
Transcript Title: Memory, Place, and Power
Calendar Title: Memory, Place, and Power.
Description:
This interdisciplinary class explores the relationships among memory, place, and political power. The course begins with an introduction to key classical, Enlightenment, and contemporary texts on memory and place-making. It then uses this foundation to examine the symbolic transformation of public space, in particular the construction, alteration, and destruction of monuments, memorials, and museums in post-communist states and in North America. This approach emphasizes the social quality of memory, exploring the ways in which political interests, economic resources, and social practices can shape something as ostensibly personal and individual as memory.
Notes:
Prerequisite(s): One of the following: GEOG 316, GEOG 325, or GEOG 331; or one 200- or 300-level course in Comparative Politics required; or permission of instructor.
Restriction(s): Not open to students who have taken or are taking GEOG 420, or who have taken POLI 432 when the topic was "Memory, Place, and Power".
1. Note: The field is Comparative Politics in Developed Areas
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 421
Credit Weight: 3
Transcript Title: The Politics of Misinformation
Calendar Title: 
Description: The impact that "fake news" and "disinformation" are having on citizens across the world. The political implications of the dissemination of media that is known to be false according to the best scientific evidence.
Notes: The field is Comparative Politics in Developed Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 422
Credit Weight: 3
Transcript Title: Developing Areas/Topics 2
Calendar Title: Developing Areas/Topics 2.
Description: A specific problem area in the Comparative Politics of Developing Areas.
Notes: Prerequisites: a basic course and preferably an upper level course in comparative politics.
Note: The field is Comparative Politics in Developing Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 423
Credit Weight: 3
Transcript Title: Politics of Ethno-Nationalism
Calendar Title: Politics of Ethno-Nationalism.
Description: Theories of ethno-nationalism examined in light of experience in Asia, Middle East and Africa. Topics include formation and mobilization of national, ethnic and religious identities in colonial and post-colonial societies; impact of ethno-nationalism on pluralism, democracy, class and gender relations; means to preserve tolerance in multicultural societies.
Notes: Prerequisites: one 300 or 400-level course in comparative politics; and one 300 or 400-level course on developing areas (any discipline.) The same course can fulfill both requirements.
Note: The area in the field of Comparative Politics is Developing Areas.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 424
Credit Weight: 3
Transcript Title: Media and Politics
Calendar Title: Media and Politics.
Description: The role of media in domestic and international politics, with reference to recent studies in political science. Themes in the study of mass media and politics in
developed democracies.

**Notes:**
Prerequisites: POLI 211 or POLI 212; and at least 3 credits in Political Science at the 300 level
Note: The area in the field of Comparative Politics is Developed Areas; also in the field of Canadian Politics.

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 425

**Credit Weight:** 3

**Transcript Title:** Topics in American Politics

**Calendar Title:** Topics in American Politics.

**Description:**
This course involves a detailed analysis of a limited area of American politics and government.

**Notes:**
Prerequisite: POLI 325
Note: The area in the field of Comparative Politics is Developed Areas.

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 426

**Credit Weight:** 3

**Transcript Title:** Partis pol et comp élect au Qc

**Calendar Title:** Partis politiques et comportements électoraux au Québec.

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 427

**Credit Weight:** 3

**Transcript Title:** Sel Topics:Canadian Politics

**Calendar Title:** Selected Topics: Canadian Politics.

**Description:**
Selected problem areas in Canada's political process, political culture, constitutional development, and machinery of government.

**Notes:**
Prerequisite: A basic course and preferably an upper level course as well in Canadian Government and Politics or permission of the instructor
Note: The field is Canadian Politics.

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 430

**Credit Weight:** 3

**Transcript Title:** Politics of Art

**Calendar Title:** Politics of Art.

**Description:**
Drawing on political and aesthetic theory, as well as on a wide range of artworks, artistic practices, and art criticism, exploration of the ways in which art and politics intersect. In addition to analyzing artworks' subject-matter, examination of their conditions of production, dissemination, and reception. Examination of how art is deployed politically and pressing political issues such as democratic
representation, free speech, and structural inequality.

Notes:
The field is Comparative Politics in Developed Areas.

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 431
Credit Weight: 3
Transcript Title: Nations & States/Developed World
Calendar Title: Nations and States/Developed World.
Description:
The role of nationalism in European and North American political development. Topics include: nationalism and state-formation, secession and sub-state nationalism, war and nationalism, federal and consociational arrangements in multi-national societies.

Notes:
Prerequisite: POLI 211 or POLI 212 or POLI 328
Note: The area in the field of Comparative Politics is Developed Areas.

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 432
Credit Weight: 3
Transcript Title: Selected Topics: Comp Politics
Calendar Title: Selected Topics: Comparative Politics.
Description:
Topics in comparative politics. Topic varies by year.

Notes:
Note: The field is Comparative Politics in Developed Areas.

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 433
Credit Weight: 3
Transcript Title: Hist of Pol/Soc Theory 3
Calendar Title: History of Political/Social Theory 3.
Description:
Early modern political philosophy, from Luther to Rousseau and Burke. Resistance theories of the 16th century, Hobbes and Locke, the Enlightenment and the French Revolution. Twentieth century work on concepts developed in this period such as rights, revolution, legitimacy, democracy, authority and liberty.

Notes:
Prerequisite: POLI 231 or 232 or 333 or 334 or written permission
Note: The field is Political Theory

Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 434
Credit Weight: 3
Transcript Title: Hist of Pol/Soc Theory 4
Calendar Title: History of Political/Social Theory 4.
Description:
A consideration of selected writers and themes of late 19th and 20th century
political theory. Writers include Hegel, Clausewitz, Marx, Mill, Nietzsche, Lenin, Rowis, Foucault, and Habermas. The rise of industrial society, scientism, the romantic revolt, revolutionary movements, socialism and liberal-democracy.

**Notes:**
- Prerequisite: POLI 433
- Note: The field is Political Theory.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 435

**Credit Weight:** 3

**Transcript Title:** Identity and Inequality

**Calendar Title:** Identity and Inequality.

**Description:**
Inequality is often particularly durable between groups whose boundaries are based on assumed ancestry - e.g., the major ethnic categories in former European settler colonies, castes in South Asia. This course explores ongoing changes in the relationship between identity and social, economic and political inequality in some of these contexts.

**Notes:**
- Prerequisite: 300 level course in comparative politics or related social science course.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 436

**Credit Weight:** 3

**Transcript Title:** Aboriginal Rights in the Canadian Constitution

**Calendar Title:** Aboriginal Rights in the Canadian Constitution.

**Description:**
This course explores the inclusion, impact, and interpretation of s.35 of the Constitution Act, 1982. In s.35, "the existing aboriginal and treaty rights of the aboriginal peoples of Canada are hereby recognized and affirmed". What does it mean for Canada to recognize, affirm, define, justify, and implement such rights? The course sets out how one might think about the constitutional promise of s.35, and challenges us to address whether this promise has been realized. It sets out how s.35 has structured Indigenous-settler politics since 1982.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

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POLI 441

**Credit Weight:** 3

**Transcript Title:** IPE: Trade

**Calendar Title:** IPE: Trade.

**Description:**
Politics of international trade, such as the international rules governing trade in goods, the functioning of international bodies such as the WTO, and the domestic sources of these international policies.

**Notes:**
- Prerequisites: POLI 243 or permission of the instructor.
- Note: The field is International Politics.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active
POLI 442
Credit Weight: 3
Transcript Title: Int'l Rel of Ethnic Conflict
Calendar Title: International Relations of Ethnic Conflict.
Description:
Issues related to the internationalization of ethnic conflict, including diasporas, contagion and demonstration effects, intervention, irredentism, the use of sanctions and force. Combination of theory and the study of contemporary cases.
Notes:
Prerequisite: POLI 244 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 443
Credit Weight: 3
Transcript Title: Intervention in World Politics
Calendar Title: Intervention in World Politics.
Description:
Examination of the history, theory and politics of intervention, focusing on the 19th century onward. It examines interventions for humanitarian purposes and interventions in civil wars in the 19th century, critical cases of non-intervention from the first half of the 20th century, intervention and resistance in the Cold War and decolonization periods, and interventions since the end of the Cold War. Legal, ethical and political frameworks for assessing the legitimacy and effects of intervention as a contemporary practice, the ways in which it has been contested, and its relationship to core principles, such as state sovereignty.
Notes:
Prerequisite: POLI 244 or permission of the instructor, or a 300-level course in International Relations.
The field is International Relations.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 444
Credit Weight: 3
Transcript Title: Topics in Intl Politics 2
Calendar Title: Topics in International Politics 2.
Description:
A specific problem area in International Politics.
Notes:
Prerequisite: An upper level course in International Politics or written permission of the instructor
Note: The field is International Politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 445
Credit Weight: 3
Transcript Title: IPE: Monetary Relations
Calendar Title: International Political Economy: Monetary Relations.
Description:
Advanced course in international political economy; the politics of international
monetary relations, such as international rules governing international
finance, the reasons for and consequences of financial flows, and the functioning
of international financial bodies such as the IMF and World Bank.

Notes:
Prerequisites: POLI 243 or permission of the instructor.
Note: The field is International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 446
Credit Weight: 3
Transcript Title: Intl Law&Poltcs of HumanRights
Calendar Title: International Law and Politics of Human Rights.
Description:
The relationship between state behaviour and individual rights recognized by
international law. Introduction and critiques of the concept of human rights, and
exploration of the institutional framework of human rights law. Surveys of the
current international human rights regimes most important entitlements for
individuals and groups. The politics of human rights, highlighting the challenges
to their effective protection.

Notes:
Prerequisite: A 200-level POLI course in the field of International Politics.
Note: The field is International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 447
Credit Weight: 3
Transcript Title: Poli Economy of Multinationals
Calendar Title: Political Economy of Multinationals.
Description:
Exploration of the economic and political behaviour of one of the most important
non-state actors in the international system: multinationals. The main models in
international trade, including the New New Trade Theory. The main issues related
to the political economy of foreign direct investment (FDI). The impact of FDI on
development as well as the role of MNCs in emerging markets.

Notes:
Prerequisite: POLI 311 or permission of the instructor
The field is International Relations.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 448
Credit Weight: 3
Transcript Title: Gender and Intl Relations
Calendar Title: Gender and International Relations.
Description:
The course will help students deepen their understanding of international
relations by introducing them to gender analysis of global politics and feminist
approaches to international relations. Part one examines gender-sensitive and
feminist theories in international relations research. The second part then
applies these approaches to a range of substantive issues including security,
violence, peacebuilding, international law and political economy.

Notes:
Note: The field is International Politics.
Prerequisite(s): A basic course in International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 449
Credit Weight: 3
Transcript Title: Diplomacy in Practice
Calendar Title: Diplomacy in Practice.
Description:
An examination of the evolution of diplomatic practices over time, with a special emphasis on emerging trends in the 21st century. It focuses on key sites of diplomacy, from foreign ministries to international organizations, and evaluates the role of new technologies and non-states actors in shaping global intercourse.

Notes:
Prerequisite(s): A basic course in International Politics or permission of instructor.
The field is International Politics. This course is taught in an active learning classroom.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 450
Credit Weight: 3
Transcript Title: Peacebuilding
Calendar Title: Peacebuilding.
Description:
An examination of transitions from civil war to peace, and the role of external actors (international organizations, bilateral donors, non-governmental organizations) in support of such transitions. Topics will include the dilemmas of humanitarian relief, peacekeeping operations, refugees, the demobilization of ex-combatants, transitional elections, and the politics of socio-economic reconstruction.

Notes:
Prerequisites: previous courses in comparative politics/developing areas and international relations. Internet research skills are strongly recommended.
Note: The area in the field of Comparative Politics is Developing Areas; also in the field of International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 451
Credit Weight: 3
Transcript Title: The European Union
Calendar Title: The European Union.
Description:
The emergence of the EU and its innovative institutions and policies will be studied through lectures, discussions, and a simulation (of a European Council or Parliament session). Emphasis upon current debates about the EU's developing identity, its internal political economy, its institutions of 'multilevel' governance, and its external relation.

Notes:
POLI 452
Credit Weight: 3
Transcript Title: Conflict Simulation
Calendar Title: Conflict Simulation.
Description:
An introduction to the use of serious games for conflict analysis. The course will address the history of wargaming, the professional use of gaming techniques by governments and other organizations, and conflict simulation design.
Notes:
Prerequisite: A 200-level course in international relations or comparative politics.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 459
Credit Weight: 3
Transcript Title: Topics in Political Theory 2
Calendar Title: Topics in Political Theory 2.
Description:
This course will deal with a specific problem area in Political theory.
Notes:
Prerequisite: A 300- or 400-level course in political theory
Note: The field is Political Theory.
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 461
Credit Weight: 3
Transcript Title: Adv. Quant. Political Science
Calendar Title: Advanced Quantitative Political Science.
Description:
A lab course that deals with topics not covered in POLI 311 or POLI 312 and applicable across political science subfields. Such topics include: Estimating models with limited and categorical outcomes; dealing with time-dependent data; estimating models of duration; advanced spatial methods; advanced text-as-data methods; advanced network methods.
Notes:
Prerequisite: POLI 311; POLI 312
Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 470
Credit Weight: 3
Transcript Title: Philosophy, Economy & Society
Calendar Title: Philosophy, Economy and Society.
Description:
The application of normative political theory and the history of political thought to state-society and state-market relations and governance. The justice and ethics of economic policies and modes of production; social-theoretic and economic examinations of the state and the state system from social theory and economic theory.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

**POLI 473**

**Credit Weight:** 3

**Transcript Title:** Democracy and the Market

**Calendar Title:** Democracy and the Market.

**Description:**

The course examines the relationship between economic and political change by focusing on dual processes of economic reform and democratization. The inter-play of societal, state-level and international actors, and the possible trade-offs involved, are explored using examples from Latin America, the former Soviet bloc, and other developing areas.

**Notes:**

Prerequisite: A course in Comparative Politics or written permission of the instructor.

Note: The area in the field of Comparative Politics is Developing Areas.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

**POLI 474**

**Credit Weight:** 3

**Transcript Title:** Inequality and Development

**Calendar Title:** Inequality and Development.

**Description:**

The political structures and social forces underlying poverty and inequality in the developing world; the historical roots of inequality in different regions, varying manifestations of inequality (class, region, ethnicity, gender), and selected contemporary problems.

**Notes:**

Prerequisite: A basic course in Comparative Politics or a course on the region or written permission of the instructor.

Note: The area in the field of Comparative Politics is Developing Areas.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Political Science

**Status (catalog level):** Active

**POLI 475**

**Credit Weight:** 3

**Transcript Title:** Social Capital: Comp Perspect

**Calendar Title:** Social Capital in Comparative Perspective.

**Description:**

Social capital as an important societal resource that helps to overcome collective action and development problems. Introduction to the roots of the concept of social capital, and discussion on how and why this resource influences the political and economic life of countries, regions, cities and individuals.

**Notes:**

Prerequisite: POLI 211 or POLI 212.

Note: The area in the field of Comparative Politics is Developed Areas.
Course Inventory Report  
Academic Year 2023-24  
Term: 202309

Administering Faculty: Faculty of Arts  
Teaching Department: Political Science  
Status (catalog level): Active

POLI 476  
Credit Weight: 3  
Transcript Title: Religion and Politics  
Calendar Title: Religion and Politics.  
Description: This course examines the relationship between religion and politics in the developing and developed world. The first part of the course focuses on the relationship between religion and the state. The second part then looks at specific topics in which religion plays a salient role: political parties; social movements; democratization; fundamentalism and democracy; violence; and capitalism and economic development. Readings are largely in the field of comparative politics.  
Notes: Prerequisite(s): A course in Comparative Politics or permission of instructor.  
Note: The field is Comparative Politics (both Developed Areas and Developing Areas).

Administering Faculty: Faculty of Arts  
Teaching Department: Political Science  
Status (catalog level): Active

POLI 478  
Credit Weight: 3  
Transcript Title: The Cdn Constitution  
Calendar Title: The Canadian Constitution.  
Description: An examination of legislative and judicial protection of rights and liberties in Canada. Topics to be covered include civil rights and the division of powers; the implied bill of rights theory; the 1960 Bill of Rights; establishment and enforcement of human rights legislation; and the Charter of Rights and Freedoms.  
Notes: Prerequisites: POLI 378 or an upper level course in Canadian Politics or permission of the instructor  
Restriction: Not open to students who took 160-427 in 1989-90 or 1991  
Note: The field is Canadian Politics.

Administering Faculty: Faculty of Arts  
Teaching Department: Political Science  
Status (catalog level): Active

POLI 480  
Credit Weight: 3  
Transcript Title: Contentious Politics  
Calendar Title: Contentious Politics.  
Description: Topics include the factors contributing to the emergence of contentious politics, and the influence of social movements on politics. A variety of movements are examined through case studies, including old and new social movements and collective resistance.  
Notes: The area in the field of Comparative Politics is Developing Areas.  
Prerequisite: POLI 227 or an upper level course in the Politics of Developing Areas or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Inactive

POLI 490
Credit Weight: 3
Transcript Title: Indep Reading & Research 1
Calendar Title: Independent Reading and Research 1.
Description:
Final year Major, Joint Honours and Honours students wishing to pursue a specialized interest will be allowed to undertake a program of independent reading and/or research in that area under the supervision of a member of staff. Students will not be permitted to register for this course until they obtain consent from a Political Science professor to supervise them.
Notes:
Restriction(s): Not open to Minor students.
Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 499
Credit Weight: 3
Transcript Title: Honours Essay
Calendar Title: Honours Essay.
Description:
Regular meetings between student and professor, and the writing of a well researched essay. The essay should demonstrate some experience with primary sources, the ability to explore various theoretical perspectives as well as to organize and present a set of arguments in a systematic and thorough manner. The essay will be graded by a second reader from the Department designated by the supervisor. Students will not be permitted to register for this course until they obtain consent from a Political Science professor to supervise them.
Notes:
Restriction(s): Open to final-year Joint Honours and Honours students only.
Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 521
Credit Weight: 3
Transcript Title: Seminar: Can Pol & Gov't
Calendar Title: Seminar: Canadian Politics and Government.
Description:
Selected problems of Canadian socio-economic and political structures; political culture; constitutional development, and governmental structure.
Notes:
Restriction: Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor
Prerequisite: At least one 300 or 400-level course in Canadian Politics
Note: The field is Canadian Politics.
Administrating Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 522
Credit Weight: 3
Transcript Title: Seminar: Developing Areas
Calendar Title: Seminar: Developing Areas.

Description:
Seminar on developing areas. Topic varies year to year.

Notes:
Prerequisite: At least one upper-level course in the politics of developing areas.
Restriction: Open to graduate students, final year honours students, and other advanced undergraduates with permission of instructor; (Note: The field is Comparative Politics in Developing Areas).

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 524
Credit Weight: 3
Transcript Title: Seminar: Developed Areas

Calendar Title: Seminar: Developed Areas.

Description:
Seminar on developed areas.

Notes:
Prerequisite: At least one upper-level course in the politics of developed areas
Restriction: Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor
Note: The area in the field of Comparative Politics is Developed Areas.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 561
Credit Weight: 3
Transcript Title: Seminar: Political Theory

Calendar Title: Seminar: Political Theory.

Description:
A topic in political philosophy such as democracy, liberty, property or nationalism, or a political philosopher, is studied to enable students to research a topic in depth, to present their papers to the seminar, and to engage in and profit from discussion and debate.

Notes:
Prerequisite: At least one upper-level course in political philosophy
Restriction: Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor
Note: The field is Political Theory.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 575
Credit Weight: 3
Transcript Title: Seminar: International Politics

Calendar Title: Seminar: International Politics.

Description:
A research seminar dealing with topics in the field of international politics.

Notes:
Restriction: Open to graduate students and final year Honours students only
Note: The field is International Politics.

Administering Faculty: Faculty of Arts
Teaching Department: Political Science
Status (catalog level): Active

POLI 599
Credit Weight: 3
Transcript Title: Internship: Political Science
Calendar Title: Internship: Political Science.
Description:
The internship shall consist of a minimum of 150 hours of work over a period of 12 weeks, plus a major research project based on the internship. The major project will ordinarily consist of a major research paper, plus a substantial written record of the work conducted during the internship.
Notes:
Restriction: Open, with permission, to Honours, Joint Honours and Majors students in years U2 and U3, and graduate students. This course does not count as a 500-level seminar under the Honours requirements.

POLI 610
Credit Weight: 3
Transcript Title: Public Policy: Canadian and Comparative Perspectives
Calendar Title: Public Policy: Canadian and Comparative Perspectives.
Description:
This seminar will focus on the comparative analysis of public policy issues. We examine explanatory models of the evolution and formation of public policy, as well as comparative methodology. We also focus on the study of public policy issues that illustrate the specific policy environments of Canadian and comparative examples.

POLI 611
Credit Weight: 3
Transcript Title: Qualitative Analysis
Calendar Title: Qualitative Analysis.
Description:
Qualitative methodology, including topics on: philosophy of science, interpretivism, causation, comparative methods, case studies, critical junctures and path dependence, concept formation and measurement, case selection, necessity and sufficiency, fuzzy sets, and interviews and fieldwork.

POLI 612
Credit Weight: 3
Transcript Title: Research Methods in Political Science
Calendar Title: Research Methods in Political Science.
Description:
This seminar offers an overview of the fundamental principles of political science research. Emphasis is placed on acquainting students with the methods and techniques most commonly used by political scientists. Topics include research project design, procedures for carrying out research, as well as both...
qualitatively- and quantitatively-oriented methods of data collection, processing, and analysis.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

**POLI 613**  
**Credit Weight:** 3  
**Transcript Title:** Select Themes: Political Theory  
**Calendar Title:** Selected Themes: Political Theory.  
**Description:**  
A seminar on a theme in contemporary political theory or in the history of political theory.  
**Notes:**  
Note: The field is Political Theory.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

**POLI 614**  
**Credit Weight:** 3  
**Transcript Title:** Proseminar in Political Theory  
**Calendar Title:** Proseminar in Political Theory.  
**Description:**  
A broad survey of major works in the history of political thought, mostly or entirely drawn from the reading list for the Ph.D. comprehensive exam in political theory.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

**POLI 615**  
**Credit Weight:** 3  
**Transcript Title:** Gender and Politics  
**Calendar Title:** Gender and Politics.  
**Description:**  
Examines a variety of key feminist thinkers, the debates they spark, and the concepts they create. While some time will be devoted to outlining the historical evolution and context of ideas, the bulk of the course will focus on understanding and evaluating the concepts, conclusions, and assumptions of various feminist political thinkers. Particular focus on Canadian thinkers and politics.  
**Notes:**  
Note: The fields are Canadian Politics and Political Theory  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Political Science  
**Status (catalog level):** Active

**POLI 616**  
**Credit Weight:** 3  
**Transcript Title:** Modern Political Analysis  
**Calendar Title:** Modern Political Analysis.  
**Description:**  
An introduction to the concepts underlying modern approaches to the study of politics. The scope of the discipline will be delineated and the foundations of empirical research, including the philosophy and methodology of science especially as these apply to social science, will be considered. Various alternatives and critiques will be presented and evaluated.
POLI 617
Credit Weight: 3
Transcript Title: Problems in Political Theory
Calendar Title: Problems in Political Theory.
Description:
An introduction to central normative issues in the study of politics. The seminar consists of lectures, oral presentations, discussion and research papers.

Notes:
Note: The field is Political Theory.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 618
Credit Weight: 3
Transcript Title: Quantitative Analysis
Calendar Title: Quantitative Analysis.
Description:
An introduction to regression techniques common in political science, including applied multiple regression techniques, beginning with basic linear models and ending with models for binary or ordinal dependent variables. Methodological issues are taught using substantive issues and debates in the discipline.

Notes:
Prerequisite: POLI 612 or equivalent.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 619
Credit Weight: 3
Transcript Title: Immigrants/Refugees/Minorities
Calendar Title: Immigrants / Refugees / Minorities.
Description:
A consideration of the different dimensions of politics associated with immigration and ethnoracial diversity. The course will emphasize the Canadian case in comparative perspective.

Notes:
Note: The field is Comparative Politics in Developed Areas and Canadian Politics.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 621
Credit Weight: 3
Transcript Title: Interpreting Cdn.Pol.Process
Calendar Title: Interpreting Canadian Political Process.
Description:
Strategies for studying the Canadian political process. Pluralist, Marxian and state autonomist approaches for analysing the relative significance and inter-relationships of basic components of the Canadian political system. Although
one purpose of the course is to survey the literature on individual topics, a broader purpose is to employ individual research strategies to develop conclusions about the nature, distribution, and exercise of power in Canada.

Notes:
Note: The field is Canadian Politics.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 622
Credit Weight: 3
Transcript Title: Adv Topics: Canadian Politics
Calendar Title: Advanced Topics in Canadian Politics.
Description:
Examination of a selected topic in Canadian politics.

Notes:
Note: The field is Canadian Politics.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 623
Credit Weight: 3
Transcript Title: Judicial Politics&The Constitution
Calendar Title: Judicial Politics and the Constitution.
Description:
A research-oriented introduction to selected theoretical and empirical works on Canadian constitutionalism and judicial politics. The substantive focus of the course concerns the politics of constitutional change and the political impact of constitutional decisions by Canadian courts.

Notes:
Note: The field is Canadian Politics.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 626
Credit Weight: 3
Transcript Title: Hist Analysis in Pol Science
Calendar Title: Historical Analysis in Political Science.
Description:
This seminar examines how political scientists engage with historical research. The course will interweave two broad themes: (1) methodological and ontological issues in historical social science, including the nature of historicist explanations, the comparative-historical method, path dependence and critical junctures, rational choice explanations, and evolutionary theory; and (2) substantive macro theoretical questions that are central to the genre of historical social science, including questions of modernization, democratization, revolutions, state formation, colonialism, political parties, and historical analogies in foreign policy-making. In interweaving these two themes, we are interested in the broad macro ontological frameworks, the merits of the substantive arguments, and the interaction between the two.

Notes:
Note: The field is Comparative Politics in Developed Areas and Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active
POLI 628
Credit Weight: 3
Transcript Title: Comparative Politics
Calendar Title: Comparative Politics.
Description:
An introduction for graduate students to the sub-discipline of comparative politics. The logic of comparative analysis as well as a number of alternative paradigms for analyzing and comparing political systems and processes.
Notes:
Note: The field is Comparative Politics in Developed Areas.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 629
Credit Weight: 3
Transcript Title: Post-Communist Transformations
Calendar Title: Post-Communist Transformations.
Description:
This course will incorporate discussions of concrete political processes and events, but will focus primarily on theories in comparative politics that might help us understand changes currently underway in the former Soviet Union. Students will continuously assess the value of these theories as methods of understanding change in the former Soviet Union.
Notes:
Note: The field is Comparative Politics in Developed Areas.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 630
Credit Weight: 3
Transcript Title: Topics in European Politics
Calendar Title: Topics in European Politics.
Description:
Examination of recent trends and current debates in the electoral politics, political economy and political sociology of Europe. The course will focus on developments at two levels: that of national political systems and that of the region as a whole, particularly as embodied in the European Union.
Notes:
Note: The field is Comparative Politics in Developed Areas.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 631
Credit Weight: 3
Transcript Title: Comparative Federalism
Calendar Title: Comparative Federalism.
Description:
Theoretical underpinnings and empirical challenges of federal states from a comparative perspective on industrializing countries, with Canadian federalism providing an important example. Issues include federalism and ethnic conflict, fiscal federalism, and federalism and markets.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 632
Credit Weight: 3
Transcript Title: Voting Behavior/Public Opinion
Calendar Title: Voting Behaviour/Public Opinion.
Description:
A critical examination of major debates within the comparative literature on voting behaviour and public opinion. The work discussed will draw primarily on research conducted in the United States, Canada and Western Europe.

Notes:
Note: The field is Comparative Politics in Developed Areas and Canadian Politics.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 633
Credit Weight: 3
Transcript Title: Southeast Asian Politics
Calendar Title: Southeast Asian Politics.
Description:
An examination of the literature on Southeast Asian politics. Topics include: state structures, political regimes, political parties, political economy, nationalism, ethnicity, and religion. Emphasis on comparative analysis within the region and on the different analytical perspectives employed to study Southeast Asia.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 636
Credit Weight: 3
Transcript Title: Approches théor: politique qué
Calendar Title: Approches théoriques: politique québécoise.
Description:
Critical examination of some major approaches to the study of Quebec politics and society, with particular emphasis on issues of nationalism, social and political movements, ethnicity, language and class conflicts, federal-provincial relations, as well as an analysis of the role of intellectuals and party politics in the deliberation process.

Notes:
This course will be conducted both in English and French; a reading knowledge and an ability to understand the two languages is recommended.
Note: The field is Canadian Politics.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 639
Credit Weight: 3
Transcript Title: Politics of Developed Areas
Calendar Title: Politics of Developed Areas.
Description:
A specific problem area in the Comparative Politics of Developed Areas.

Notes:
Note: The field is Comparative Politics in Developed Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 640
Credit Weight: 3
Transcript Title: Middle East Politics
Calendar Title: Middle East Politics.
Description:
Examination of political and socio-economic development in the Middle East, with particular emphasis on the Arab world. Topics to be addressed include state formation and consolidation; Arab nationalism; civil society and state-society relations; the politics of Islam; petro-politics; the political economy of economic liberalization; and future patterns of political change.

Notes:
Note: The field is Comparative Politics in Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 641
Credit Weight: 3
Transcript Title: Sem: Pol. Change in South Asia
Calendar Title: Seminar: Political Change in South Asia.
Description:
This course examines major political and social changes in South Asia. Explores such topics as colonialism and nationalism; trends in mass mobilization and electoral politics; regime changes; economic policies and their impact; and conflicts over authority patterns, policy agendas, and national boundaries.

Notes:
Note: The field is Comparative Politics in Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 642
Credit Weight: 3
Transcript Title: African Politics
Calendar Title: African Politics.
Description:
Selected problems in contemporary comparative African politics and political thought. The work of the seminar centres around research papers prepared and presented by participants.

Notes:
Note: The field is Comparative Politics in Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 643
Credit Weight: 3
Transcript Title: Politics of Identity
Calendar Title: Politics of Identity.
Description:
Theoretical approaches to the politics of identity with reference to experiences
in different world regions. The politics of nationalism, ethnicity, religion, race and gender, and the relationship of such forms of identity politics to democracy, tolerance, pluralism, violence, socio-economic change and equality.

Notes:
Note: The field is Comparative Politics in Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 645
Credit Weight: 3
Transcript Title: Adv Contemporary Chinese Poltics
Calendar Title: Advanced Contemporary Chinese Politics.
Description:
China in the broad literature of comparative politics, including the state-building, the political economy of growth, contentious politics, and authoritarian rule.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 646
Credit Weight: 3
Transcript Title: Politics of Developing Areas 1
Calendar Title: Politics of Developing Areas 1.
Description:
A specific problem area in the Comparative Politics of Developing Areas.

Notes:
Note: The field is Comparative Politics in Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 648
Credit Weight: 3
Transcript Title: Latin American Politics
Calendar Title: Latin American Politics.
Description:
This course explores changing patterns of social, economic and political relations in Latin America, especially at the level of civil society. It examines such topics as state formation, institutional development, regime transformation and the insertion of Latin American countries in both the international capitalist economy and the inter-state system.

Notes:
Note: The field is Comparative Politics in Developing Areas.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 650
Credit Weight: 3
Transcript Title: Seminar in Peacebuilding
Calendar Title: Seminar in Peacebuilding.
Description:
An examination of transitions from civil war to peace, and the role of external actors (international organizations, bilateral donors, non-governmental organizations) in support of such transitions. Topics will include the dilemmas of
humanitarian relief, peacekeeping operations, refugees, the demobilization of
ex-combatants, transitional elections, and the politics of socio-economic
reconstruction.

Notes:
Note: The field is Comparative Politics in Developing Areas and International
Politics.

Administrating Faculty: Graduate Studies
Teaching Department: Political Science

Status (catalog level): Active

POLI 659
Credit Weight: 3
Transcript Title: Interdisc Sem in European Stud
Calendar Title: Interdisciplinary Seminar in European Studies.

Description:
Interdisciplinary seminar on a theme relevant to the study of Europe.

Notes:
Restriction: Only open to students in European Studies Option.

Administrating Faculty: Graduate Studies
Teaching Department: Political Science

Status (catalog level): Active

POLI 660
Credit Weight: 3
Transcript Title: Fieldwork: Challenges & Strats
Calendar Title: Fieldwork: Challenges and Strategies.

Description:
This course provides an examination of the theoretical questions regarding the
epistemology and ontology in fieldwork-based research, debates about research
ethics, and discussions about what constitutes “the field.” The aim is to give
students the critical tools that are necessary to prepare them to conduct
different types of field research, which can include participant-observation,
interviewing, and archival research. The course will also engage with critical
perspectives on issues such as positionality, reflexivity, transparency,
representation, and embodiment.

Administrating Faculty: Graduate Studies
Teaching Department: Political Science

Status (catalog level): Active

POLI 666
Credit Weight: 3
Transcript Title: Causal Inference for Poli Sci
Calendar Title: Causal Inference for Political Science.

Description:
Methods for causal inference using a potential outcomes framework. Topics will
include instrumental variables, difference-in-difference estimation, regression
discontinuity designs, and matching. Examples will be drawn from across Political
Science subfields.

Notes:
Prerequisite(s): POLI 612 or equivalent, and POLI 618 or equivalent.

Administrating Faculty: Graduate Studies
Teaching Department: Political Science

Status (catalog level): Active

POLI 670
Credit Weight: 3
Transcript Title: Adv Topics: Intl Relations
Calendar Title: Advanced Topics: International Relations.
Description:
A specific problem area in International Relations.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 671
Credit Weight: 3
Transcript Title: International Relations Theory
Calendar Title: International Relations Theory.
Description:
This course is designed to give students a thorough background in the basic
theories and models used in International Relations. It emphasizes breadth, in
order to ground students in the variety of approaches employed in the field of
international politics.
Notes:
Note: The field is International Politics.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 672
Credit Weight: 3
Transcript Title: Intl Political Economy
Calendar Title: International Political Economy.
Description:
For students in international and comparative politics, a course in IPE in two
senses: 1) the use of the economic model of purposive behaviour to examine
international phenomena; 2) the politics of global economic issues such as
production, trade, finance, debt, technology transfer, economic coordination.
Connections between domestic political economies and the IPE, alternative
strategies of state adjustment to a changing IPE.
Notes:
Note: The field is International Politics.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 676
Credit Weight: 3
Transcript Title: Sociological Issues in IR
Calendar Title: Sociological Issues in International Relations.
Description:
The main theories and issues in international political sociology as an approach
to international relations. Focus is on the political constitution of
international social artefacts such as institutions, norms, identities, practices
and communities.
Notes:
Prerequisites: No previous course work in psychology is required. In addition to
political science graduate students who are specializing in international
relations and, subject to limitations of class size, this seminar is open to
other interested political science graduate students and third year honours
undergraduates in political science, history and psychology.
Note: The field is International Politics.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 678
Credit Weight: 3
Transcript Title: Res Seminar-Int'l Politics
Calendar Title: Research Seminar - International Politics.
Description: A workshop intended to help M.A. and Ph.D. students prepare their thesis proposals and chapters. Writing techniques and methodology will be covered. Students critique seminar presentations by leading scholars on their new works.
Notes: Note: The field is International Politics.
Restriction(s): Not open to students who have taken POLI 778.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 679
Credit Weight: 3
Transcript Title: Int.Sec:Conflict&Co-operation
Calendar Title: International Security: Conflict and Co-operation.
Description: Covers theoretical and historical literature on international security, strategy, war, and cooperation. Includes systemic, societal and normative explanations or war, peace, security, and change.
Notes: Note: The field is International Politics.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 680
Credit Weight: 3
Transcript Title: Social Change/Adv. Ind. Demo.
Calendar Title: Social Change/Advanced Industrialized Democracies.
Description: Introduction to the theories, concepts and empirical work on advanced democracies with a focus on issues of social change. Theories of the welfare states, social capital, postmaterialism, political participation, social movements and issues of diversity are studied from a variety of methodological perspectives.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 688
Credit Weight: 3
Transcript Title: Seminar on Social Statistics
Calendar Title: Seminar on Social Statistics.
Description: Special topics on social statistics and presentations of ongoing research by students pursuing M.A. Option in Social Statistics in any of the participating disciplines.
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active
POLI 690
Credit Weight: 3
Transcript Title: Reading in Political Science
Calendar Title: Reading in Political Science.
Description:
A graduate student may take a one-term reading course per academic year in a particular field and under the supervision of a member of staff.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 690D1
Credit Weight: 1.5
Transcript Title: Reading in Political Science
Calendar Title: Reading in Political Science.
Description:
A graduate student may take a one-term reading course per academic year in a particular field and under the supervision of a member of staff.
Notes:
Students must register for both POLI 690D1 and POLI 690D2
No credit will be given for this course unless both POLI 690D1 and POLI 690D2 are successfully completed in consecutive terms
POLI 690D1 and POLI 690D2 together are equivalent to POLI 690
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 690D2
Credit Weight: 1.5
Transcript Title: Reading in Political Science
Calendar Title: Reading in Political Science.
Description:
See POLI 690D1 for course description.
Notes:
Prerequisite: POLI 690D1
No credit will be given for this course unless both POLI 690D1 and POLI 690D2 are successfully completed in consecutive terms
POLI 690D1 and POLI 690D2 together are equivalent to POLI 690
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Inactive

POLI 691
Credit Weight: 6
Transcript Title: Bibliographic Methods 1
Calendar Title: Bibliographic Methods 1.
Description:
Research-related skills and the production of a research bibliography.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 693
Credit Weight: 3
Transcript Title: M.A. Research Proposal
Calendar Title: M.A. Research Proposal.
Description:
Independent work under the supervision of the academic advisor(s) leading to a research essay proposal.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 694
Credit Weight: 3
Transcript Title: Research Preparation 1
Calendar Title: Research Preparation 1.
Description:
Preparatory work towards the Master's research project, or the Master's thesis.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 695
Credit Weight: 3
Transcript Title: Research Preparation 2
Calendar Title: Research Preparation 2.
Description:
Preparatory work towards the Master's research project.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 696
Credit Weight: 3
Transcript Title: Research Preparation 3
Calendar Title: Research Preparation 3.
Description:
Preparatory work towards the Master's research project.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 697
Credit Weight: 12
Transcript Title: M.A. Thesis Proposal
Calendar Title: M.A. Thesis Proposal.
Description:
Preparatory work towards the Master's research project.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 698
Credit Weight: 12
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description:
A thesis to demonstrate proficiency in research. The thesis is normally about 100 pages long, and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 698D1
Credit Weight: 6
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description:
A thesis to demonstrate proficiency in research. The thesis is normally about 100 pages long, and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.
Notes:
Students must register for both POLI 698D1 and POLI 698D2
No credit will be given for this course unless both POLI 698D1 and POLI 698D2 are successfully completed in consecutive terms
POLI 698D1 and POLI 698D2 together are equivalent to POLI 698
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 698D2
Credit Weight: 6
Transcript Title: Master's Thesis Submission
Calendar Title: Master's Thesis Submission.
Description:
See POLI 698D1 for course description.
Notes:
Prerequisite: POLI 698D1
No credit will be given for this course unless both POLI 698D1 and POLI 698D2 are successfully completed in consecutive terms
POLI 698D1 and POLI 698D2 together are equivalent to POLI 698
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 699
Credit Weight: 6
Transcript Title: Master's Research Essay
Calendar Title: Master's Research Essay.
Description:
The Master's research paper should explore a clearly defined problem, show familiarity with the most important work previously done in the field, and demonstrate the ability to carry out research, organize results and present them in good literary style. Normally the paper will flow out of a previous graduate seminar and will be approximately 50 pages in length.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 699D1
Credit Weight: 3
Transcript Title: Master's Research Essay
Calendar Title: Master's Research Essay.
Description: The Master's research paper should explore a clearly defined problem, show familiarity with the most important work previously done in the field, and demonstrate the ability to carry out research, organize results and present them in good literary style. Normally the paper will flow out of a previous graduate seminar and will be approximately 50 pages in length.
Notes: Students must register for both POLI 699D1 and POLI 699D2. No credit will be given for this course unless both POLI 699D1 and POLI 699D2 are successfully completed in consecutive terms. POLI 699D1 and POLI 699D2 together are equivalent to POLI 699.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 699D2
Credit Weight: 3
Transcript Title: Master's Research Essay
Calendar Title: Master's Research Essay.
Description: See POLI 699D1 for course description.
Notes: Prerequisite: POLI 699D1. No credit will be given for this course unless both POLI 699D1 and POLI 699D2 are successfully completed in consecutive terms. POLI 699D1 and POLI 699D2 together are equivalent to POLI 699.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 700
Credit Weight: 0
Transcript Title: PhD Research Seminar
Calendar Title: PhD Research Seminar.
Description: Departmental-wide research seminar, mandatory for all PhD students resident in Montreal who have completed their comprehensive exams. Students present their current research and receive critical feedback.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 701
Credit Weight: 0
Transcript Title: Ph.D. Gen. Written Exam 1st Fld
Calendar Title: Ph.D. General Written Examination First Field.
Description: One of two comprehensive examinations that must be passed by all doctoral candidates in order to continue in the doctoral program. Remove prerequisite, as
this course never existed as spanned.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 702
Credit Weight: 0
Transcript Title: Ph.D. Gen. Written Exam 2nd Fld
Calendar Title: Ph.D. General Written Examination Second Field.
Description:
One of two comprehensive examinations that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active

POLI 799
Credit Weight: 0
Transcript Title: Ph.D. Oral Comprehensive Exam
Calendar Title: Ph.D. Oral Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Political Science
Status (catalog level): Active
POTH 204
Credit Weight: 3
Transcript Title: Intro to Stats for OT/PT
Calendar Title: Introduction to Statistics for OT/PT.
Description:
Methods for describing data and testing theories for research and everyday use.
Notes:
Restriction(s): Not open to students who have taken or are taking PSYC 204.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 225
Credit Weight: 3
Transcript Title: Intro to Biomechanics: Rehab Sc
Calendar Title: Introduction to Biomechanics in Rehabilitation Sciences.
Description:
The study of fundamentals of biomechanical analysis applied to the extremities and lumbar spine. The application of biomechanical principles to clinical and research situations.
Notes:
Prerequisites: PHGY 209 and ANAT 315
Restrictions: Only for BSc Rehab Science students (U1 students) for both programs (PT and OT).
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 250
Credit Weight: 3
Transcript Title: Intro to Prof Practice 2
Calendar Title: Introduction to Professional Practice 2.
Description:
This course addresses the fundamentals of professionalism and professional behavior, the principles of massage, professional touch, and basic profession-specific interviewing skills. Interviewing skills will be practiced with client-visits in the community. Cultural competence and its application to clinical practice, patient /therapist relationship, and web searching will be addressed.
Notes:
3 hours/week for 13 weeks
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 305
Credit Weight: 3
Transcript Title: Stats for Exprmntl Design OT/PT
Calendar Title: Statistics for Experimental Design OT/PT.
Description:
The statistical analysis of research data obtained from experimental designs, including introduction and review of basic statistical concepts, different types of analysis of variance (ANOVA) and simple and multiple linear regression.
Notes:
Prerequisite: Successful completion of POTH 204 or an equivalent introductory statistics course.
Restriction: Not open to students who have taken or are taking PSYC 305 or
equivalent.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 401
Credit Weight: 3
Transcript Title: Research Methods
Calendar Title: Research Methods.
Description: A lecture and seminar course on the principles of and methods used in clinical and rehabilitation science research.

Notes:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 434
Credit Weight: 3
Transcript Title: Musculoskeletal Biomechanics
Calendar Title: Musculoskeletal Biomechanics.
Description: Lecture-based course, discussing biomechanical properties of musculoskeletal tissues, mechanical factors involved in injury, and potential for adaptation and recovery. By reviewing fundamental principles of motion, biomechanics of motion is integrated with properties of biological tissues. Students learn how fundamental principles relate to injury, and to scientifically-based clinical evaluations and treatments.

Notes:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 446
Credit Weight: 2
Transcript Title: Current Topics: Rehabilitation
Calendar Title: Current Topics: Rehabilitation.
Description: A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized rehabilitation topic. The student selects one theme from a list of current topic themes to be offered in that semester. The topic themes may change from year to year based on current and developing issues in rehabilitation.
Symbols: LIMT - Limited enrolment
Notes: 3 hours/week for 8 weeks

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 455
Credit Weight: 3
Transcript Title: Neurophysiology
Calendar Title: Neurophysiology.
Description: A study of the neurophysiological principles of sensori-motor interaction as they relate to posture, motor control and cognition.
Notes: 3 hours/week

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 508
Credit Weight: 3
Transcript Title: Plasticity in Rehabilitation
Calendar Title: Plasticity in Rehabilitation.
Description: A seminar course designed to provide students with a review of current research on plasticity in the central and peripheral nervous systems. Particular emphasis is placed on the mechanisms involved in the recovery of function after injury.
Notes: Winter
Prerequisite: POTH 455 or equivalent.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 563
Credit Weight: 3
Transcript Title: Foundations of Prof. Practice
Calendar Title: Foundations of Professional Practice.
Description: Study and analysis of foundations for professional practice and systems which impact the role of the occupational and physical therapy professional in health service delivery settings. This course includes sections on 1) healthcare environments and systems; 2) management, safety and quality assurance; and 3) professionalism and ethics.
Notes: Restrictions: Only open to students in the BSc(RehabSc); Major in Physical Therapy and BSc(RehabSc); Major in Occupational Therapy, students in the School of Physical and Occupational Therapy. Not open to students who have taken OCC1 546 and PHTH 570.

Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 602
Credit Weight: 3
Transcript Title: Advanced Educ&Mgmt Strategies
Calendar Title: Advanced Educational and Management Strategies.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 603
Credit Weight: 3
Transcript Title: Directed Practicum
Calendar Title: Directed Practicum.
Description:
A tutorial with directed practical experience in a clinical setting related to the student's clinical specialization, including curriculum development, and emphasizing current thought in rehabilitation.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 604
Credit Weight: 3
Transcript Title: Current Topics in Pediatrics
Calendar Title: Current Topics in Pediatrics.
Description:
This course will provide an overview of current research in pediatrics.
Notes:
Prerequisite: POTH 260, or permission of instructors.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 609
Credit Weight: 3
Transcript Title: Qualitative Research: RehabSci
Calendar Title: Qualitative Research in Rehabilitation Science.
Description:
Introduction to qualitative inquiry in rehabilitation sciences. Emphasis is placed on prominent research paradigms, qualitative research methodologies, and qualitative research methods as they relate to research on topics pertaining to rehabilitation.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 610
Credit Weight: 4
Transcript Title: Research Methodology
Calendar Title: Research Methodology.
Description:
Philosophy of scientific inquiry, principles of research design, and application of statistical techniques, focusing on research studies in health care and rehabilitation.
Notes:
Fall
Corequisite: EPIB 507
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 611
Credit Weight: 3
Transcript Title: Health Research Methods
Calendar Title: Health Research Methods.
Description:
Introduction to the most common observational and experimental study designs used

Notes:
Prerequisite: Undergraduate Degree in health profession or permission of instructor
An online course that is offered to health care practitioners.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 612
Credit Weight: 4
Transcript Title: Applied Clin. Research Methods
Calendar Title: Applied Clinical Research Methods.
Description:
An intermediate-level research methods course to promote scholarly clinical practice, and to assist students in the design and implementation of their entry-level professional master¿s project.
Notes:
Prerequisite: POTH 401 or equivalent content as deemed by the instructor

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 614
Credit Weight: 3
Transcript Title: Sel Topics in Rehab Science
Calendar Title: Selected Topics in Rehabilitation Science.
Description:
A selected topic of current research issues in rehabilitation science.
Notes:
Fall

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 616
Credit Weight: 1
Transcript Title: Sem in Rehabilitation Science
Calendar Title: Seminars in Rehabilitation Science.
Description:
A weekly seminar course given by staff and invited speakers in different areas of research related to rehabilitation science. Students are expected to participate by reading pertinent literature prior to seminars and asking questions at each seminar. Attendance is compulsory, and the course is graded pass/fail based on participation.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 617
Credit Weight: 0
Transcript Title: Knowledge Synthesis: Rehab Sem
Calendar Title: Knowledge Synthesis in Rehabilitation Seminar.
Description:
Seminars on key steps and processes involved in conducting knowledge syntheses.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 618
Credit Weight: 3
Transcript Title: Topics in Rehabilitation
Calendar Title: Topics in Rehabilitation.
Description: This is a directed reading course on a topic in rehabilitation science. The student will acquire extensive knowledge in the topic of interest and understand the strengths and limitations of the current body of work in the area.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 619
Credit Weight: 0
Transcript Title: Rehabilitation Seminars 2
Calendar Title: Rehabilitation Seminars 2.
Description: Seminar course given by staff and invited speakers covering different areas of research related to rehabilitation science.
Notes:
Restriction: During one academic year, students may not register for POTH 619 in the same term as POTH 616 or POTH 617.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 620
Credit Weight: 3
Transcript Title: Measurement: Rehabilitation 1
Calendar Title: Measurement: Rehabilitation 1.
Description: Theoretical and practical basis for utilization of electronic equipment for quantitative measurement in rehabilitation research. Ambulatory assistive devices, electronic plates and instrumentation to assess normal and pathological human movement will be used to demonstrate the application of theory and techniques for quantitative analysis of human performance. Recording, reduction and analysis of electromyographic, kinetic and kinematic data included.
Notes:
Winter
Prerequisite: POTH 222 and permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 624
Credit Weight: 7
Transcript Title: Master's Project
Calendar Title: Master's Project.
Description: Project is related to rehabilitation.
Notes:
Restriction: OT and PT students only.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 625D1
Credit Weight: 1.5
Transcript Title: Design Assist Tech: Principles
Calendar Title: Design of Assistive Technologies: Principles.
Description:
This is an interdisciplinary, project-based course in which small teams of students work with an individual with a disability in the Montreal area to design an assistive technology (e.g., a device, a piece of equipment, an app) that enhances their level of activity and their participation in society. Teams will apply principles of assistive technology (AT) design to create solutions, iterate through multiple prototypes, and learn about the challenges and realities of successfully integrating AT into the lives of individuals with disabilities.
Notes:
Restriction(s): Departmental approval is required to register to this course. Not open to Biomedical Engineering students.
Students must register for both POTH 625D1 and POTH 625D2
No credit will be given for this course unless both POTH 625D1 and POTH 625D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 625D2
Credit Weight: 1.5
Transcript Title: Design Assist Tech: Principles
Calendar Title: Design of Assistive Technologies: Principles.
Description:
This is an interdisciplinary, project-based course in which small teams of students work with an individual with a disability in the Montreal area to design an assistive technology (e.g., a device, a piece of equipment, an app) that enhances their level of activity and their participation in society. Teams will apply principles of assistive technology (AT) design to create solutions, iterate through multiple prototypes, and learn about the challenges and realities of successfully integrating AT into the lives of individuals with disabilities.
Notes:
Restriction(s): Departmental approval is required to register to this course. Not open to Biomedical Engineering students.
Prerequisite(s): POTH 625D1
No credit will be given for this course unless both POTH 625D1 and POTH 625D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 627
Credit Weight: 3
Transcript Title: Enabling Eat, Drink, & Swallowing
Calendar Title: Enabling Eating, Drinking, and Swallowing.
Description:
Exploration and application of fundamental skills for competent practice across the lifespan in the areas of dysphagia and feeding.
Notes:
This course comprises 3.5 hours lecture and 3 hours lab/seminar per week comprising clinical visits and practical exploration.

Prerequisites: OCC1 547, OCC1 617

Restriction: Open only to students registered in the following programs: MSc(Applied) in Occupational Therapy and MSc(Applied) in Physical Therapy. Open to other students by permission of instructor only.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 628
Credit Weight: 3
Transcript Title: Intro to Regression Analysis
Calendar Title: Introduction to Regression Analysis.
Description:
Commonly used regression modelling approaches in the health sciences, linear and logistic regression models. Topics include: general concepts behind statistical model building, selection of appropriate model, preparatory descriptive analyses prior to regression modelling, fitting, interpreting and evaluating some linear and logistic regression models.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 630
Credit Weight: 3
Transcript Title: Measurement:Rehabilitation 2
Calendar Title: Measurement: Rehabilitation 2.
Description:
Theoretical and practical basis for measurement in rehabilitation research. Introduction to measurement theory, scale development and related statistics, approaches and instruments used to assess outcomes in patients with musculoskeletal, neurological, cardiovascular, respiratory, psychiatric or psychological conditions.

Notes:
Winter
Prerequisite: EPIB 607 or PSYC 305 or equivalent.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 631
Credit Weight: 3
Transcript Title: Research Proposal
Calendar Title: Research Proposal.
Description:
The course covers issues involved in the development of a research protocol. The presentation of a written thesis proposal is required by the end of the course. This document will serve as the basis for an oral presentation to the student's Supervisory Committee who will also review the written proposal.

Notes:
Winter

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
POTH 632
Credit Weight: 3
Transcript Title: Research Elective
Calendar Title: Research Elective.
Description: Practical research experience.
Notes: Prerequisites: M1 OT or PT courses.
Restriction: M2 OT & PT students only.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 633
Credit Weight: 3
Transcript Title: Function/Activity in Arthritis
Calendar Title: Function/Activity in Arthritis.
Description: Multidisciplinary approach to the assessment and treatment of clients with complex rheumatic diseases.
Notes: Prerequisites: OCC1 545, OCC1 549, OCC1 548
Restriction: OT students only, or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 634
Credit Weight: 3
Transcript Title: Childhood Performance Issues
Calendar Title: Childhood Performance Issues.
Description: Specialized interventions of the occupational therapist in developmental paediatrics.
Notes: Restriction: M1 OT students only
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 635
Credit Weight: 3
Transcript Title: Enabling Upper Extremity Function
Calendar Title: Enabling Upper Extremity Function.
Description: Exploration and application of fundamental skills for competent practice in the area of upper extremity rehabilitation.
Notes: This course comprises 2 hours lecture, 2 hours lab/seminar and 2 hours clinical reasoning workshop per week comprising clinical visits and practical exploration.
Prerequisites: OCC1 545, OCC1 549
Restriction: Open only to students registered in the following programs: MSc(Applied) in Occupational Therapy and MSc(Applied) in Physical Therapy. Open to other students by permission of instructor only.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 636
Credit Weight: 3
Transcript Title: Physical Therapy in Pediatrics
Calendar Title: Physical Therapy in Pediatrics.
Description:
Application of the frameworks of neurological, orthopedic and cardio-respiratory rehabilitation to the assessment and treatment of various pediatric conditions.
Notes:
Prerequisites: PHTH 560, PHTH 561, PHTH 552 (or PHTH 554 and PHTH 564).
Restriction: Open only to students registered in the following programs: MSc(Applied) in Occupational Therapy and MSc(Applied) in Physical Therapy. Open to other students by permission of instructor only.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 637
Credit Weight: 3
Transcript Title: Cancer Rehabilitation
Calendar Title: Cancer Rehabilitation.
Description:
Cancer pathology, risk stratification, the treatment process and rehabilitation needs throughout the disease trajectory.
Notes:
Prerequisite: PHTH 570 or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 638
Credit Weight: 3
Transcript Title: Promoting Wellness of Seniors
Calendar Title: Promoting Wellness of Seniors.
Description:
The complexity of rehabilitation interviews with the geriatric client, the various causes of occupational performance dysfunction, and the structure and organization of geriatric health care delivery are addressed.
Notes:
Restriction: OT students only or permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 639
Credit Weight: 3
Transcript Title: Motor Control
Calendar Title: Motor Control.
Description:
Overview of how movement is controlled by the nervous system and how motor skills are learned.
Notes:
Restriction: Open only to students registered in the following programs: MSc. (Applied) in Occupational Therapy, MSc. (Applied) in Physical Therapy and MSc. in
Rehabilitation Science. Open to other students by permission of instructor only.

**Administering Faculty**: Graduate Studies

**Teaching Department**: Phys and Occ Therapy

**Status (catalog level)**: Active

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**POTH 640**

**Credit Weight**: 3

**Transcript Title**: Role-Emerging Management

**Calendar Title**: Role-Emerging Management.

**Description**:
Career opportunities in private practice and/or new domains for Occupational Therapists, including small business management, legal and liability considerations, managing organizational growth and service marketing.

**Notes**:
Restriction: OT/PT students only

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**POTH 661**

**Credit Weight**: 7

**Transcript Title**: Research Project 1

**Calendar Title**: Research Project 1.

**Description**:
Independent work under the supervision of a full-time faculty member on research aimed at promoting evidence based practice and leading to a comprehensive report.

**Notes**:
Restriction: Campus students only.

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**POTH 662**

**Credit Weight**: 8

**Transcript Title**: Research Project 2

**Calendar Title**: Research Project 2.

**Description**:
Independent work under the supervision of a full-time faculty member on research aimed at promoting evidence based practice and leading to a comprehensive report.

**Notes**:

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**POTH 663**

**Credit Weight**: 3

**Transcript Title**: Pain Assess in Clin Practice

**Calendar Title**: Pain Assessment in Clinical Practice.

**Description**:
Introduction to definitions, models and concepts of pain management and their relationship to professional practice, including frameworks for mechanisms, assessment and management of pain and the evaluation of current research practice in pain management.

**Notes**:
Prerequisite: Undergraduate Degree in health profession or permission of instructor

An online course that is offered to health care practitioners.
Note that a fee of $262.94 is charged to support the cost of the preparation of on-line documents for this course.

Administrating Faculty: Graduate Studies

Teaching Department: Phys and Occ Therapy

Status (catalog level): Active

POTH 664
Credit Weight: 3
Transcript Title: Neurosci & Behav Persp of Pain
Calendar Title: Neuroscience and Behavioural Perspectives of Pain.
Description:
Basic neuroscience of pain and the interrelationship between psychological, physiological and environmental processes in pain, linking the anatomy and physiology to the psychological processes in the perception and expression of pain.
Notes:
Prerequisite: Undergraduate Degree in Health Profession or permission of instructor.
An online course that is offered to health care practitioners.
Note that a fee of $262.94 is charged to support the cost of the preparation of on-line documents for this course.

Administrating Faculty: Graduate Studies

Teaching Department: Phys and Occ Therapy

Status (catalog level): Active

POTH 665
Credit Weight: 3
Transcript Title: Interdisc Mgmt of Chronic Pain
Calendar Title: Interdisciplinary Management of Chronic Pain.
Description:
Introduction to the principles of pain assessment, treatment and management, including the scientific basis for assessment, diagnosis and treatment, exploring pharmacokinetics and pharmacodynamics, the role of rehabilitation in pain management and other interventions.
Notes:
Prerequisite: POTH 663 and POTH 664 or permission of the instructor.
An online course that is offered to health care practitioners.
Note that a fee of $262.94 is charged to support the cost of the preparation of on-line documents for this course.

Administrating Faculty: Graduate Studies

Teaching Department: Phys and Occ Therapy

Status (catalog level): Active

POTH 666
Credit Weight: 3
Transcript Title: Common Clinical Pain Syndromes
Calendar Title: Common Clinical Pain Syndromes.
Description:
Introduction to a range of pain conditions seen in the clinic.
Notes:
Prerequisite: POTH 663 or permission of instructor
An online course that is offered to health care practitioners. During the semester, the students will have to spend an intensive two-day period on campus (6-hour lecture per day).
Note that a fee of $262.94 is charged to support the cost of the preparation of on-line documents for this course.
Administering Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 673
Credit Weight: 3  
Transcript Title: Screening for at Risk Drivers  
Calendar Title: Screening for at Risk Drivers.  
Description: Principles for screening at-risk disabled drivers.  
Notes: Prerequisite: Undergraduate or graduate degree in a health-related field.  
Note that a fee of $262.94 is charged to support the cost of the preparation of on-line documents for this course.

Administering Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 674
Credit Weight: 3  
Transcript Title: Assessing Driving Ability 1  
Calendar Title: Assessing Driving Ability 1.  
Description: Principles of assessment of driving performance in several at-risk populations.  
Notes: Prerequisite: POTH 673.  
Restrictions: Primarily designed for Occupational Therapists. Individuals from other disciplines may be considered on a case by case basis.  
Note that a fee of $262.94 is charged to support the cost of the preparation of on-line documents for this course.

Administering Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 675
Credit Weight: 3  
Transcript Title: Driving Assessment Practicum  
Calendar Title: Driving Assessment Practicum.  
Description: Directed practical experience in a clinical setting that focuses on driving evaluations.  
Notes: Prerequisite: POTH 674.  
Restriction: This course is restricted to Occupational Therapists who have successfully completed POTH 674. It is available in both French and English and includes a 5-day intensive workshop.  
Note that a fee of $761.25 is associated with the requirement of the on-site training at a local institution or a rehabilitation center for the practicum portion of the program.

Administering Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 676
Credit Weight: 3  
Transcript Title: Adaptive Equipment and Driving
**Calendar Title:** Adaptive Equipment and Driving.

**Description:**
Prescription of complex adaptive equipment for driving and the procedures of full van modifications. Safety considerations, vehicle choice and the importance of driver retraining (specifically with adaptive equipment) are addressed.

**Notes:**
Prerequisite: POTH 675 or permission of instructor.
Restriction: The course is restricted to Occupational Therapists who have successfully completed POTH 675, or permission of instructor. It is available in both French and English and includes a 4-day intensive workshop.
Note that a fee of $609.00 is associated with the requirement of the on-site training at a local institution or a rehabilitation center for the practicum portion of the program.
Note that a fee of $184.07 is charged to support the cost of the preparation of on-line documents for this course.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Phys and Occ Therapy

**Status (catalog level):** Active

**POTH 677**

**Credit Weight:** 3

**Transcript Title:** Retraining Driving Skills

**Calendar Title:** Retraining Driving Skills.

**Description:**
Principles of retraining driving skills in various clienteles through the use of different modalities. Several retraining methods will be analyzed, including driving simulators, visual training, on-road training, and compensatory techniques.

**Notes:**
Prerequisite: POTH 675 or permission of instructor.
Restriction: This course is restricted to Occupational Therapists who have successfully completed POTH 675 Driving Assessment Practicum, or permission of instructor. It is available in both French and English and includes a 2-day intensive workshop.
Note that a fee of $304.50 is associated with the requirement of the on-site training at a local institution or a rehabilitation center for the practicum portion of the program.
Note that a fee of $184.07 is charged to support the cost of the preparation of on-line documents for this course.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Phys and Occ Therapy

**Status (catalog level):** Active

**POTH 680**

**Credit Weight:** 3

**Transcript Title:** Knowledge Translation in Rehab

**Calendar Title:** Knowledge Translation in Rehabilitation.

**Description:**
This course focuses on the theory/application of knowledge translation (KT) in rehabilitation science with the goal of promoting evidence-based practice and research utilization. Various client groups and clinical settings will be examined from the perspective of how research evidence can be implemented into daily practice using effective KT interventions.

**Notes:**
Restrictions: Open to all graduate students in the Faculty of Medicine. Open to clinical staff with permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 682
Credit Weight: 2
Transcript Title: Promoting Healthy Activity
Calendar Title: Promoting Healthy Activity.
Description:
Individual and situational determinants of health behaviours will be examined across the lifespan and in clinical populations. Application of behaviour change theories for the design, implementation and evaluation of health behaviour interventions will be discussed. Strategies to facilitate behaviour change and adherence across the lifespan will be emphasized.
Notes:
Fall or Winter

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 684
Credit Weight: 3
Transcript Title: Adv. Practice in Stroke Rehab.
Calendar Title: Advanced Practice in Stroke Rehabilitation.
Description:
Current knowledge of best practices in the area of stroke rehabilitation.
Notes:
Restriction: Course open to Professional Masters students and Graduate Rehabilitation Science students in the School of Physical and Occupational Therapy.

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 685
Credit Weight: 3
Transcript Title: Perception and Action
Calendar Title: Perception and Action.
Description:
New research concepts related to perception and action, with a special emphasis on the understanding of motor behaviour in patient populations and the exploration of potential applications in rehabilitation.
Notes:
Fall
Prerequisite: POTH 455 or equivalent

Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 686
Credit Weight: 3
Transcript Title: Public Policy & Knowledge Trans
Calendar Title: Public Policy and Knowledge Translation.
Description:
Examination of and emphasis on features of the policy process, including knowledge generation and translation in the context of complex policy processes. These
topics will be oriented to the use of policy as a tool to protect and promote the health of populations.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**POTH 696**  
**Credit Weight:** 2  
**Transcript Title:** Thesis Research  
**Calendar Title:** Thesis Research.  
**Description:** Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.  
**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**POTH 697**  
**Credit Weight:** 6  
**Transcript Title:** Thesis Research 1  
**Calendar Title:** Thesis Research 1.  
**Description:** Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.  
**Notes:**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**POTH 697D1**  
**Credit Weight:** 3  
**Transcript Title:** Thesis Research 1  
**Calendar Title:** Thesis Research 1.  
**Description:** Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.  
**Notes:**  
Students must register for both POTH 697D1 and POTH 697D2  
No credit will be given for this course unless both POTH 697D1 and POTH 697D2 are successfully completed in consecutive terms  
POTH 697D1 and POTH 697D2 together are equivalent to POTH 697  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Phys and Occ Therapy  
**Status (catalog level):** Active

**POTH 697D2**  
**Credit Weight:** 3  
**Transcript Title:** Thesis Research 1  
**Calendar Title:** Thesis Research 1.  
**Description:**  
See POTH 697D1 for course description.  
**Notes:**  
Prerequisite: POTH 697D1  
No credit will be given for this course unless both POTH 697D1 and POTH 697D2 are successfully completed in consecutive terms  
POTH 697D1 and POTH 697D2 together are equivalent to POTH 697
Administering Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 698
Credit Weight: 9
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: 
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Notes:
Administrating Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 698D1
Credit Weight: 4.5
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: 
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: 
Students must register for both POTH 698D1 and POTH 698D2
No credit will be given for this course unless both POTH 698D1 and POTH 698D2 are successfully completed in consecutive terms
POTH 698D1 and POTH 698D2 together are equivalent to POTH 698

Administrating Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 698D2
Credit Weight: 4.5
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: 
See POTH 698D1 for course description.
Notes: 
Prerequisite: POTH 698D1
No credit will be given for this course unless both POTH 698D1 and POTH 698D2 are successfully completed in consecutive terms
POTH 698D1 and POTH 698D2 together are equivalent to POTH 698

Administrating Faculty: Graduate Studies  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active

POTH 699
Credit Weight: 12
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: 
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: 
Administrating Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 699D1
Credit Weight: 6
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: Students must register for both POTH 699D1 and POTH 699D2.
No credit will be given for this course unless both POTH 699D1 and POTH 699D2 are successfully completed in consecutive terms.
POTH 699D1 and POTH 699D2 together are equivalent to POTH 699.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 699D2
Credit Weight: 6
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: See POTH 699D1 for course description.
Notes: Prerequisite: POTH 699D1.
No credit will be given for this course unless both POTH 699D1 and POTH 699D2 are successfully completed in consecutive terms.
POTH 699D1 and POTH 699D2 together are equivalent to POTH 699.
Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

POTH 701
Credit Weight: 0
Transcript Title: Ph.D. Comprehensive
Calendar Title: Ph.D. Comprehensive.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
PPHS 501
Credit Weight: 3
Transcript Title: Population Health & Epidemiology
Calendar Title: Population Health and Epidemiology.
Description:
This course presents concepts and methods of epidemiology at the introductory level. The use of epidemiologic methods for population and public health research and practice will be illustrated. A review of selected population health questions such as the HIV/AIDS epidemic, the cardiovascular disease epidemic, cigarette smoking, or screening for disease will be presented.
Notes:
Restriction(s): Not open to students who have taken EPIB 501.
Course not open to students enrolled in Epidemiology or Public Health programs.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 511
Credit Weight: 3
Transcript Title: Fundamentals of Global Health
Calendar Title: Fundamentals of Global Health.
Description:
This exciting and interactive course aims to give students the opportunity to broaden their understanding and knowledge of global health issues, including global burden of diseases, determinants of health, transition in health and drivers of such transition, challenges in healthcare delivery in resource-limited settings, and the variety of agencies and actors engaged in addressing global health challenges. The course consists of lectures, case studies, debates, discussions and small group work.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 525
Credit Weight: 3
Transcript Title: HlthCare Systems in Comp Persp
Calendar Title: Health Care Systems in Comparative Perspective.
Description:
Comparative perspective to illustrate processes involved in the development and evolution of health care systems around the world. Countries examined will represent different welfare state regimes, health care system typologies, levels of development and wealth.
Notes:
Prerequisite: Permission of instructor.
Restriction(s): Not open to students who have taken EPIB 525. Not open to students who are taking or have taken SOCI 525.
Note: This course is cross-listed in Epidemiology, Biostatistics and Occupational Health and in Sociology.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 527
Credit Weight: 3
Transcript Title: Econ for Hlth Serv Res&Policy
Calendar Title: Economics for Health Services Research and Policy.
Description:
Key health policy topics in developed economies using analytic frameworks and tools from economics. Major topics include health insurance, health care financing, and the roles of individuals and public and private institutions in the health care system.

**Notes:**
Restriction(s): Not open to students who have taken EPIB 527.
NOTE: This course is open to graduate students and advanced undergraduates from all departments, with the permission of the instructor. A background in introductory economics is useful, though not required.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
**Teaching Department:** Epidemiology and Biostatistics
**Status (catalog level):** Active

**PPHS 528**
**Credit Weight:** 3
**Transcript Title:** Economic Eval of Hlth Programs
**Calendar Title:** Economic Evaluation of Health Programs.
**Description:**
Concepts and methods used to carry out economic evaluations of health programs and interventions, including public health interventions, pharmaceuticals, and other health care interventions. Includes topics such as calculation of unit costs, measurement of quality-adjusted life years (QALYs) and assessment of uncertainty in cost-effectiveness analysis.

**Notes:**
Prerequisite: Permission of instructor.
Restriction(s): Not open to students who have taken EPIB 528.
No prior background in economics is required.
Open to graduate students and advanced undergraduates from all departments.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
**Teaching Department:** Epidemiology and Biostatistics
**Status (catalog level):** Active

**PPHS 529**
**Credit Weight:** 3
**Transcript Title:** Global Env Hlth&Burden/Disease
**Calendar Title:** Global Environmental Health and Burden of Disease.
**Description:**
This course presents the grand challenges in global health from environmental and occupational risks along with the multi-disciplinary methods used to identify, control, and prevent them. It will introduce students to knowledge and skills in core disciplines of environmental health and approaches to environmental risk recognition, control and prevention in a global context.

**Notes:**
Restriction(s): Not open to students who have taken EPIB 529.
1. Permission of instructor required for undergraduate students.
2. This course is open to graduate students and advanced undergraduates from all departments.
3. Previous coursework in statistics and environmental science is useful, though not required.

**Administering Faculty:** Faculty of Medicine & Hlth Sci
**Teaching Department:** Epidemiology and Biostatistics
**Status (catalog level):** Active

**PPHS 593**
**Credit Weight:** 3
**Transcript Title:** Special Topics: Pop&Pub Hlth 1
Calendar Title: Special Topics in Population and Public Health 1.
Description: Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of population and public health importance.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 602
Credit Weight: 3
Transcript Title: Foundations of Population Hlth
Calendar Title: Foundations of Population Health.
Description: Introduction to population health and the conceptual basis of the population health approach to measuring disease occurrence and to prevention. Fundamentals of, and methods for, studying burden of disease in population, and how these differ across time, space, and groups. Topics include population dynamics, denominators, occurrence of events, time, person and place, health indicators, standardization, life tables, age, cohort and period effects, disease surveillance and vital statistics. Introduction to the concepts and principles of measurement including measurement error, validity, reliability, and accuracy.
Notes: Restriction(s): Not open to students who have taken EPIB 602 or EPIB 614.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 612
Credit Weight: 3
Transcript Title: Principles/Pub Hlth Practice
Calendar Title: Principles of Public Health Practice.
Description: Principles and methods in public health practice. Topics will include investigation in public health, public health intervention, program evaluation, public health and the health care system, society and public health.
Notes: Prerequisite(s): EPIB 601, EPIB 602 or PPHS 602, and EPIB 607 or permission of instructor.
Restriction(s): Not open to students who have taken EPIB 612.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 612D1
Credit Weight: 1.5
Transcript Title: Principles/Pub Hlth Practice
Calendar Title: Principles of Public Health Practice.
Description: Principles and methods in public health practice. Topics will include investigation in public health, public health intervention, program evaluation, public health and the health care system, society and public health.
Notes: Prerequisite(s): EPIB 601, EPIB 602 or PPHS 602, and EPIB 607 or permission of instructor.
Restriction(s): Not open to students who have taken EPIB 612.
Students must register for both PPHS 612D1 and PPHS 612D2.
No credit will be given for this course unless both PPHS 612D1 and PPHS 612D2 are successfully completed in consecutive terms.

PPHS 612D1 and PPHS 612D2 together are equivalent to PPHS 612.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 612D2**

**Credit Weight:** 1.5

**Transcript Title:** Principles/Pub Hlth Practice

**Calendar Title:** Principles of Public Health Practice.

**Description:**
Principles and methods in public health practice. Topics will include investigation in public health, public health intervention, program evaluation, public health and the health care system, society and public health.

**Notes:**
- Prerequisite(s): PPHS 612D1.
- Restriction(s): Not open to students who have taken EPIB 612.
- Students must register for both PPHS 612D1 and PPHS 612D2.
- No credit will be given for this course unless both PPHS 612D1 and PPHS 612D2 are successfully completed in consecutive terms.
- PPHS 612D1 and PPHS 612D2 together are equivalent to PPHS 612.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 613**

**Credit Weight:** 3

**Transcript Title:** The Practice of Global Health

**Calendar Title:** The Practice of Global Health.

**Description:**
Introduction to core competencies in the practice of global health, including historical, colonial roots of global health, project planning and implementation, equitable and ethical conduct, building partnerships, working within interdisciplinary teams, effective communication and personal-social skills.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 614**

**Credit Weight:** 3

**Transcript Title:** Knowl Transl&Pub Hlth Ldrship

**Calendar Title:** Knowledge Translation and Public Health Leadership.

**Description:**
An examination of knowledge translation in public health, including synthesis, dissemination, exchange, and ethically-sound application of knowledge to policy and programming. Overview of knowledge translation processes for effective evidence-informed public health leadership.

**Notes:**
- Prerequisite: PPHS 612 or permission of instructor
- Restrictions: Not open to students who have taken EPIB 678 when topic was 'Knowledge Translation, Communications, and Evidence-Informed Public Health Leadership'.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active
PPHS 615
Credit Weight: 3
Transcript Title: Intro: Infectious Disease Epid
Calendar Title: Introduction to Infectious Disease Epidemiology.
Description: Introduction to the field of infectious disease epidemiology taught from a public health perspective. Topics include analytic methods, study design, outbreak investigations, surveillance, vaccine development and evaluations, screening, modelling, and infectious causes of cancer or chronic diseases.
Notes: Prerequisite: EPIB 601 or Permission of Instructor.
Restriction(s): Not open to students who have taken EPIB 615.
Note: An undergraduate level biology course is highly recommended.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 616
Credit Weight: 3
Transcript Title: Princ&Prac of Pub Hlth Survl
Calendar Title: Principles and Practice of Public Health Surveillance.
Description: The objectives of this course are to familiarize students with the theory and methods of surveillance, a core public health function. The seminars will define surveillance and explore surveillance applications and methods through case studies and in-class exercises. Topics will include: measurement, indicators, analytical methods, and the future of surveillance. Computer-based modules will complement seminars. Topics will include: estimating the burden of a disease, detecting disease outbreaks, and identifying cases of chronic disease.
Notes: Prerequisite(s): EPIB 603, EPIB 621, PPHS 612, or equivalent, or permission of the instructor.
Students are encouraged to use R statistical software and to bring a laptop to class.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 617
Credit Weight: 3
Transcript Title: Impact Evaluation
Calendar Title: Impact Evaluation.
Description: This course will cover methods for estimating the effects of social interventions on health outcomes. We will provide the intuition for conducting impact evaluation studies in population health and discuss recent developments. We will define causal policy effects within the potential outcomes framework and introduce and formally define policy-relevant research questions based on specific causal contrasts. We will cover the use of randomized and cluster randomized trials for impact evaluation, including cost-effectiveness. We will additionally cover quasi-experimental designs such as interrupted time series, difference-in-differences, instrumental variables, and regression discontinuity.
Notes: Prerequisite(s): EPIB 603 and EPIB 621 or permission of the instructors.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 618
Credit Weight: 3
Transcript Title: Program Planning and Evaluation in Public Health
Calendar Title: Prgrm Planning&Eval: Pub Hlth
Description: Major activities in planning and evaluating an evidence-based public health intervention using a structured approach to intervention planning and different evaluation methodologies and techniques. Emphasis on evidence-based program planning, logic model development, participatory approaches, and program evaluation in applied public health settings.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 624
Credit Weight: 3
Transcript Title: Public Health Ethics & Policy
Calendar Title: Public Health Ethics and Policy.
Description: Critical assessment of ethical dilemmas and policy considerations raised by the practice of public health. Specific topics include: measuring and defining health; surveillance and privacy; preparedness, quarantine, and distribution of resources during a health emergency; and health inequalities.
Notes: Restriction(s): Not open to students who have taken EPIB 624. Students from all disciplinary backgrounds are welcome.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 630
Credit Weight: 12
Transcript Title: MScPH Practicum/Project
Calendar Title: MScPH Practicum/Project.
Description: The practicum provides the opportunity to integrate classroom learning and practice in a population or public health work environment. The student contributes to an organization's mandate and to addressing a population and/or public health problem while developing skills as a population and/or public health professional and/or researcher.
Notes: Restriction(s): Open to students registered in the M.Sc. in Public Health; Non-Thesis.
Administering Faculty: Graduate Studies
Teaching Department: Epidemiology and Biostatistics
Status (catalog level): Active

PPHS 681
Credit Weight: 1
Transcript Title: Special Topics: Pop&Pub Hlth 2
Calendar Title: Special Topics in Population and Public Health 2.
Description: Study, through lectures, guided reading, practicals, assignments etc., of an
elected and approved topic of population and public health importance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 682**

**Credit Weight:** 2

**Transcript Title:** Special Topics: Pop&Pub Hlth 3

**Calendar Title:** Special Topics in Population and Public Health 3.

**Description:**
Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of population and public health importance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 683**

**Credit Weight:** 3

**Transcript Title:** Special Topics: Pop&Pub Hlth 4

**Calendar Title:** Special Topics in Population and Public Health 4.

**Description:**
Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of population and public health importance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 684**

**Credit Weight:** 3

**Transcript Title:** Special Topics: Pop&Pub Hlth 5

**Calendar Title:** Special Topics in Population and Public Health 5.

**Description:**
Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of population and public health importance.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active

**PPHS 699**

**Credit Weight:** 9

**Transcript Title:** MScPH Practicum Requirement

**Calendar Title:** MScPH Practicum Requirement.

**Description:**
The practicum provides the opportunity to integrat classroom learning and practice in a population or public health work environment. The student contributes to an organization’s mandate and to addressing a population or public health problem while developing skills as a population and/or public health professional and/or researcher.

**Notes:**
Prerequisites: PPHS 602, PPHS 612, PPHS 629
Restrictions: Only open to students registered in the MSc. in Public Health; Non-Thesis.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Epidemiology and Biostatistics

**Status (catalog level):** Active
PPOL 600
Credit Weight: 3
Transcript Title: Applied Evaluation Practice
Calendar Title: Applied Evaluation Practice.
Description:
The professional practice of evaluation and its application in field settings. Specific evaluation techniques will be examined, including logic modelling, designing evaluation questions, selecting a study design, establishing criteria of merit, and planning for the communication of results. Emphasis is on designing evaluations that are more likely to produce actionable findings and have the potential to promote a more equitable and just society.
Notes:
Prerequisites: A course on social science research methodology and a course in quantitative or qualitative analytic methods. Permission of the instructor.
Restrictions: Not open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 601
Credit Weight: 3
Transcript Title: Global Macroeconomic Policy
Calendar Title: Global Macroeconomic Policy.
Description:
Development of the key elements of a macro model used by mainstream policymakers in central banks and finance ministries. Examination of important and contentious policy issues, such as the effectiveness of fiscal stimulus, the consequences of high government debt, the case for low inflation, the challenges of inflation targeting, and the policy approaches to enhancing long-run economic growth.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 602
Credit Weight: 3
Transcript Title: Microeconomics for Pub Policy
Calendar Title: Microeconomics for Public Policy.
Description:
Examines the essential microeconomic principles for analyzing market behaviour and the consequences of government policies. Emphasis is placed on contrasting competitive markets with oligopolistic and monopolistic ones. Examines the case for relatively free markets and the many situations that suggest a case for government intervention.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Students must be registered in the MPP program or have the permission of the program director and course instructor. Since incoming students are required to have a macroeconomics course, this course concentrates on microeconomic methods.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active
PPOL 603
Credit Weight: 3
Transcript Title: Comparative Gov't Structures
Calendar Title: Comparative Government Structures.
Description:
Comparison of the structures of government and policy processes in a number of developed democracies including Canada, the United States and the United Kingdom. Examination of the relationship between the political and bureaucratic structures, the civil service, the role of citizens, stakeholders, lobbyists, policy institutes and legislators, and the policy development process.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administrating Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 604
Credit Weight: 3
Transcript Title: Law, Human Rights & Pub Policy
Calendar Title: Law, Human Rights and Public Policy.
Description:
Explores law as the normative framework for public policy. Law is examined as both a policy driver and a policy outcome for resolving conflict and determining the institutional and policy legitimacy. A critical perspective on the impacts of major Western legal systems on other systems and cultures, and explores how international law and transnational law address some of these challenges. Provides basic legal literacy tools, focusing on human rights and human rights-based approaches.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administrating Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 605
Credit Weight: 3
Transcript Title: Analytical Mthds for Policy Eval
Calendar Title: Analytical Methods for Policy Evaluation.
Description:
Concepts and analytical techniques necessary for the evaluation of specific public policies, including both quantitative and qualitative approaches. Specific topics include sampling theory, applied statistical inference, applied regression analysis, the use of surveys and interviews, and randomized controlled trials.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Students must be registered in the MPP program or have the permission of the program director and course instructor. Since this is the state-of-the-art in policy evaluation, students in a public policy program should be at a minimum trained to read and understand the results of studies.
Administrating Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active
PPOL 606
Credit Weight: 3
Transcript Title: Experts, Science and Evidence
Calendar Title: Experts, Science and Evidence.
Description: The role of experts, science and evidence, and their utility for public policy. A survey of how policy leaders explore the theory of science, scientific evidence in practice, evidence in the marketplace of ideas, and human fallibility.
Notes: Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 607
Credit Weight: 3
Transcript Title: Information and Media Literacy
Calendar Title: Information and Media Literacy.
Description: Examines the development, role and impact of mass media on the policy process, including an exploration of the nature of the role of the media in shaping public opinion, policy agendas, and political debate; the use of information in new communications technology; and the relationship between news media and social media in the digital information age.
Notes: Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 608
Credit Weight: 3
Transcript Title: Theory & Practice of Prog Eval
Calendar Title: Theory and Practice of Program Evaluation.
Description: Exploration of the need for and the practice of rigorous program evaluation for the improvement of public policies. Specific analytical tools will be examined, including logic models, stakeholder engagement and reporting, data collection, performance indicators, and cost-benefit analysis.
Notes: Restriction: Only open to students in the Master of Public Policy; Non-Thesis program
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 609
Credit Weight: 3
Transcript Title: Reasoning About Public Policy
Calendar Title: Reasoning About Public Policy.
Description: The investigation of what is involved in reasoning well about public policy, including some of the heuristic tools that have been developed; cost-benefit
analysis, harm reduction, the precautionary principle, compromise, "ideal observer". Determining the appropriate sphere of application and how it can be brought together into an overall, coherent conception of practical rationality in the policy context.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 611
Credit Weight: 3
Transcript Title: Canadian Poli&Policy Landscape
Calendar Title: Canadian Political and Policy Landscape.
Description:
The complexities of the Canadian political and policy landscape including Westminster parliamentary system, multiple major political parties spanning the political spectrum, the relationship to the Crown and the historical treaties with the indigenous peoples of Canada, and Quebec’s Francophone culture and status as a nation within Canada.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 612
Credit Weight: 3
Transcript Title: U.S. Poli & Policy Landscape
Calendar Title: U.S. Political and Policy Landscape.
Description:
Examination of the complexities of policymaking and policy implementation arising from the dynamism of the U.S. political landscape, including the interaction of the Presidency, the Congress, and the Courts, and how this interaction has shifted over time.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 613
Credit Weight: 3
Transcript Title: Global Poli & Policy Landscape
Calendar Title: Global Political and Policy Landscape.
Description:
Introduction to global institutions and agencies, and to the body of applied research on how policy is formulated in the global policy landscape.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active
PPOL 620D1
Credit Weight: 4.5
Transcript Title: Client-Focused Policy Lab
Calendar Title: Client-Focused Policy Laboratory.
Description:
Students will work in teams with real clients to analyze and address an actual policy problem, delivering a full policy briefing to their client. Clients will include government departments, private businesses, international institutions, and non-profit organizations.
Notes:
Students must register for both PPOL 620D1 and PPOL 620D2
No credit will be given for this course unless both PPOL 620D1 and PPOL 620D2 are successfully completed in consecutive terms
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 620D2
Credit Weight: 4.5
Transcript Title: Client-Focused Policy Lab
Calendar Title: Client-Focused Policy Laboratory.
Description:
See PPOL 620D1 for description.
Notes:
Prerequisite: PPOL 620D1
No credit will be given for this course unless both PPOL 620D1 and PPOL 620D2 are successfully completed in consecutive terms
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 631
Credit Weight: 1
Transcript Title: Policy Case Study 1
Calendar Title: Policy Case Study 1.
Description:
Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 632
Credit Weight: 1
Transcript Title: Policy Case Study 2
Calendar Title: Policy Case Study 2.
Description:
Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 633
Credit Weight: 1
Transcript Title: Policy Case Study 3
Calendar Title: Policy Case Study 3.
Description:
Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 634
Credit Weight: 1
Transcript Title: Policy Case Study 4
Calendar Title: Policy Case Study 4.
Description:
Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 635
Credit Weight: 1
Transcript Title: Policy Case Study 5
Calendar Title: Policy Case Study 5.
Description:
Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 636
Credit Weight: 1
Transcript Title: Policy Case Study 6
Calendar Title: Policy Case Study 6.
Description: Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.
Notes: Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

PPOL 637
Credit Weight: 1
Transcript Title: Policy Case Study 7
Calendar Title: Policy Case Study 7.
Description: Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.
Notes: Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.

PPOL 638
Credit Weight: 1
Transcript Title: Policy Case Study 8
Calendar Title: Policy Case Study 8.
Description: Selected case studies in public policy based on the experience of a policy practitioner. This course will develop the complete narrative arc of a specific policy and provide its multi-dimensional complexity in an interactive environment between the practitioner and students.
Notes: Restrictions: Only open to students in the Master of Public Policy; Non-Thesis program.

PPOL 640
Credit Weight: 2
Transcript Title: Policymaking in a World of Business
Calendar Title: Policymaking in a World of Business.
Description:
Influence of business on public policy. Policy examples to examine the complexity of the policymaking process in contexts where decision-makers and leaders from the private sector play a key role.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 641
Credit Weight: 2
Transcript Title: Rhetoric & Commun of Pub Policy
Calendar Title: Rhetoric and Communication of Public Policy.

Description:
The art of persuasive speaking and writing and its impact on the policymaking process.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 642
Credit Weight: 2
Transcript Title: Policy and Globalization
Calendar Title: Policy and Globalization.

Description:
Exploration of how international rules, norms, markets, funding, and knowledge may influence the development and implementation of policies at the domestic level.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 643
Credit Weight: 2
Transcript Title: Ethical Dimensions of Policymaking
Calendar Title: Ethical Dimensions of Policymaking.

Description:
Extra-legal ethical issues inherent to setting and administering policy: the types of conflicts of interest that policymakers encounter, moral principles policymakers adopt to govern their own behaviour, the importance of the power of
administrative discretion and its impact on the implementation of policy, how power should be exercised, and what constitutes an abuse of this power.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 644
Credit Weight: 2
Transcript Title: Stakeholder Management
Calendar Title: Stakeholder Management.
Description:
Managing stakeholders in the policy development process, including the management process from the perspectives of government and lobbyists.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 645
Credit Weight: 2
Transcript Title: Partisan Politics & Policy Proc
Calendar Title: Partisan Politics and Policy Process.
Description:
The role of partisan politics in the policy process and examination of how partisanship can be navigated or harnessed in the development and implementation of policy.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administering Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 646
Credit Weight: 2
Transcript Title: Budgeting and Fiscal Policy
Calendar Title: Budgeting and Fiscal Policy.
Description:
Exploration of key variables in a budget, budget rules, the internal and external dynamics of budgeting, and the impact of debt burdens on countries.

Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.**

**Administering Faculty:** Graduate Studies  
**Teaching Department:** School of Public Policy  
**Status (catalog level):** Active

**PPOL 647**  
**Credit Weight:** 2  
**Transcript Title:** Achieving Policy Transparency  
**Calendar Title:** Achieving Policy Transparency.  
**Description:**  
A survey of an array of transparency challenges related to public finance, central banks, trade, income inequality, climate change and access to information laws.  
**Notes:**  
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.  
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.**  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** School of Public Policy  
**Status (catalog level):** Active

**PPOL 648**  
**Credit Weight:** 2  
**Transcript Title:** Race, Inequality, & Public Policy  
**Calendar Title:** Race, Inequality, and Public Policy.  
**Description:**  
This seminar examines the dynamics and persistence of racial inequality in Canada and other advanced industrialized societies. Students will explore the ways that public policy has worked to aggravate and/or ameliorate these circumstances and analyze the impact of racial inequality on democratic norms and institutions.  
**Notes:**  
Restrictions: Only open to students in the Master of Public Policy; Non-Thesis program.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** School of Public Policy  
**Status (catalog level):** Active

**PPOL 650**  
**Credit Weight:** 2  
**Transcript Title:** Sp Topics: Policy Complexity 1  
**Calendar Title:** Special Topics in Policy Complexity 1.  
**Description:**  
A selected topic of public policy complexity.  
**Notes:**  
Topic varies from term to term.  
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** School of Public Policy  
**Status (catalog level):** Active

**PPOL 651**  
**Credit Weight:** 2
Transcript Title: Sp Topics: Policy Complexity 2
Calendar Title: Special Topics in Policy Complexity 2.
Description: A selected topic of public policy complexity.
Notes:
Restriction: Only open to students in the Master of Public Policy; Non-Thesis program.
Topic varies from term to term.
Administrating Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active

PPOL 652
Credit Weight: 2
Transcript Title: Sp Topics: Policy Complexity 3
Calendar Title: Special Topics in Policy Complexity 3.
Description: A selected topic of public policy complexity.
Notes:
Restriction(s): Only open to students in the Master of Public Policy; Non-Thesis program.
Administrating Faculty: Graduate Studies
Teaching Department: School of Public Policy
Status (catalog level): Active
PRAC 200
Credit Weight: 1
Transcript Title: Advocacy
Calendar Title: Advocacy.
Description:
Critical analysis of oral advocacy skills, including a range of settings and appellate advocacy.
Notes:
Prerequisite(s): Completed PRAC 147D1/D2 Intro Legal Research OR equivalent (transfer & advance standing students only).
Restriction(s): Not open to students who have completed PRAC 155D1/D2. Limited to 2nd year Law students only.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRAC 510
Credit Weight: 3
Transcript Title: Advanced Mooting 1
Calendar Title: Advanced Mooting 1.
Description:
Participation, under Faculty supervision, as a Faculty representative, in an advanced mooting competition approved for this purpose by the Dean. Students may register for Advanced Mooting a maximum of twice.
Notes:
Restriction: Not open to students who have taken PRAC 188.
Note: Advanced Mooting includes mooting competitions such as the Jessup International Moot, Concours Charles-Rousseau, Gale Cup Moot, Tribunal École Pierre-Basile Mignault, etc.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRAC 510D1
Credit Weight: 1.5
Transcript Title: Advanced Mooting 1
Calendar Title: Advanced Mooting 1.
Description:
Participation, under Faculty supervision, as a Faculty representative, in an advanced mooting competition approved for this purpose by the Dean. Students may register for Advanced Mooting a maximum of twice.
Notes:
Restriction: Not open to students who have taken PRAC 188.
Note: Advanced Mooting includes mooting competitions such as the Jessup International Moot, Concours Charles-Rousseau, Gale Cup Moot, Tribunal École Pierre-Basile Mignault, etc.
Students must register for both PRAC 510D1 and PRAC 510D2.
No credit will be given for this course unless both PRAC 510D1 and PRAC 510D2 are successfully completed in consecutive terms. PRAC 510D1 and PRAC 510D2 together are equivalent to PRAC 510.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRAC 510D2
Credit Weight: 1.5
Transcript Title: Advanced Mooting 1
**Calendar Title:** Advanced Mooting 1.

**Description:**
See PRAC 510D1 for course description.

**Notes:**
Prerequisite: PRAC 510D1
No credit will be given for this course unless both PRAC 510D1 and PRAC 510D2 are successfully completed in consecutive terms
PRAC 510D1 and PRAC 510D2 together are equivalent to PRAC 510.

**Administrating Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**PRAC 511**

**Credit Weight:** 3

**Transcript Title:** Advanced Mooting 2

**Calendar Title:** Advanced Mooting 2.

**Description:**
Participation, under Faculty supervision, as a Faculty representative, in an advanced mooting competition approved for this purpose by the Dean. Students may register for Advanced Mooting a maximum of twice.

**Notes:**
Note: Advanced Mooting includes mooting competitions such as the Jessup International Moot, Concours Charles-Rousseau, Gale Cup Moot, Tribunal École Pierre-Basile Mignault, etc.
Restriction: Not open to students who have taken PRAC 195.

**Administrating Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active
PROC 124
Credit Weight: 4
Transcript Title: Judicial Institutions & Civ Proc
Calendar Title: Judicial Institutions and Civil Procedure.
Description:
Pre-trial civil procedure and applications for appeal in Canada. Launching a civil action and pleadings; jurisdiction and judicial organization; prerogative writs and evocation; motions and interlocutory relief; pre-trial mediation and settlement; discovery and costs. Emphasis on Quebec Code of Civil Procedure, Ontario Courts of Justice Act and Rules of Practice, Supreme Court Rules and Federal Court Rules.
Notes:
**This course will be held on May 3, 5, 6, 10, 12, 13, 17, 19, 20, 24, 26, 31, June 2, 3, 7 & 9.
Judicial Institutions and Civil Procedure. Droit judiciaire
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PROC 124D1
Credit Weight: 2
Transcript Title: Judicial Institutions & Civ Proc
Calendar Title: Judicial Institutions and Civil Procedure.
Description:
Pre-trial civil procedure and applications for appeal in Canada. Launching a civil action and pleadings; jurisdiction and judicial organization; prerogative writs and evocation; motions and interlocutory relief; pre-trial mediation and settlement; discovery and costs. Emphasis on Quebec Code of Civil Procedure, Ontario Courts of Justice Act and Rules of Practice, Supreme Court Rules and Federal Court Rules.
Notes:
Students must register for both PROC 124D1 and PROC 124D2.
No credit will be given for this course unless both PROC 124D1 and PROC 124D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PROC 124D2
Credit Weight: 2
Transcript Title: Judicial Institutions & Civ Proc
Calendar Title: Judicial Institutions and Civil Procedure.
Description:
See PROC 124D1 for course description.
Notes:
Prerequisite: PROC 124D1
No credit will be given for this course unless both PROC 124D1 and PROC 124D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PROC 200
Credit Weight: 3
Transcript Title: Advanced Civil Law Obligations
Calendar Title: Advanced Civil Law Obligations.
Description:
General theory of obligations in the Civil Law tradition, the interaction of contractual and extra-contractual obligations; introduction to unjust enrichment; relationship of general law to special regimes of compensation such as no-fault regimes; certain aspects of the modalities, transfer, alteration and extinction of obligations. This course provides an opportunity for immersion in the culture, epistemology and practices of the Civil Law Tradition.

**Advanced Civil Law Obligations.**

**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active

**PROC 459**  
**Credit Weight:** 3  
**Transcript Title:** Civil Litigation Workshop  
**Calendar Title:** Civil Litigation Workshop.  
**Description:**  
A workshop on specialized problems in civil litigation and evidence; the preparation and management of a civil case, particularly as regards the conduct of discovery proceedings and the production of materials to be used at trial.  
**Civil Litigation Workshop.**  
**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active

**PROC 549**  
**Credit Weight:** 3  
**Transcript Title:** Lease, Enterprise, Suretyship  
**Calendar Title:** Lease, Enterprise, Suretyship.  
**Description:**  
The contracts of lease, including some aspects of residential leases, enterprise and suretyship in the law of Quebec. This course provides an opportunity for immersion in the culture, epistemology and practices of the Civil Law Tradition.  
**Notes:**  
Restriction: Not open to students who have taken PROC 349 Lease, Enterprise, Suretyship. Lease, Enterprise, Suretyship.  
**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active
PRV2 270
Credit Weight: 3
Transcript Title: Law of Persons
Calendar Title: Law of Persons.
Description:
The existence and attributes of physical and legal persons in the Civil Law of Quebec. Modes of recognition of legal persons. Enjoyment and exercise of civil and personality rights; domicile; acts of civil status; capacity and regimes of supervised protection. Some introduction to rights under the Quebec and Canadian Charter. This course provides an opportunity for immersion in the culture, epistemology and practices of the Civil Law Tradition.

Law of Persons.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV2 500
Credit Weight: 3
Transcript Title: Children & the Law
Calendar Title: Children and the Law.
Description:
An examination of the law's recognition of, and responses to, children in Canadian private and public law, with reference to foreign and international law. Children's rights and state intervention in children's relationships with families and communities are explored, as are children as witnesses, parties and as young offenders.

Symbols:
Notes:
Restriction: Not open to students who have taken PRV2 456.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PRV3 200
Credit Weight: 3
Transcript Title: Adv Common Law Obligations
Calendar Title: Advanced Common Law Obligations.
Description:
Relationship between tort, contract, and restitution in theory and practice
(including consideration of negligent misrepresentation, economic loss, exclusion
clauses, and means of overcoming problems of privity); relationship between Common
law and no-fault regimes; special problems in civil liability, such as
non-feasance and the liability of public authorities. The study of unjust
enrichment as a basis for remedies at common law, in equity and under statute and
of its role as an integral part of the common law alongside contract and tort.
This course provides an opportunity for immersion in the culture, epistemology and
practices of the Common Law Tradition.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV3 534
Credit Weight: 3
Transcript Title: Remedies
Calendar Title: Remedies.
Description:
A study of selected private law remedies available at common law, in equity and
under statute. This course provides an opportunity for immersion in the culture,
epistemology and practices of the Common Law Tradition
Notes:
Restriction: Not open to students who have taken PRV3 434
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PRV4 144
Credit Weight: 4
Transcript Title: Common Law Property
Calendar Title: Common Law Property.
Description:
Classification of proprietary interests; concepts of ownership, seisin and possession; legal and equitable interests; acquisition of proprietary interests including gifts and assignments; doctrine of estates; future interests; concurrent ownership; rights in property of another including bailments, covenants, easements, profits and licenses; adverse possession; proprietary remedies registration systems.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV4 500
Credit Weight: 3
Transcript Title: Restitution
Calendar Title: Restitution.
Description:
The law relating to the restitution of benefits wrongfully or unfairly acquired: a study of unjust enrichment as a doctrinal basis for various remedies at common law, in equity and under statute and the role of unjust enrichment as an integral part of the common law alongside contract and tort. This course provides an opportunity for immersion in the culture, epistemology and practices of the Common Law Tradition.
Symbols:
Notes:
Restriction: Not open to students who have taken PRV4 435.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV4 545
Credit Weight: 3
Transcript Title: Land Use Planning
Calendar Title: Land Use Planning.
Description:
A study of private and public control of land use and development, including: constitutional jurisdiction; provincial, regional and local planning; regulatory and discretionary tools (e.g., zoning by-laws, subdivision control, site-plan control), acquired rights; expropriation, land values and compensation, protection of sensitive areas (e.g. heritage property, agricultural land).
Notes:
Restriction: Not open to students who have taken PRV4 145
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV4 548
Credit Weight: 3
Transcript Title: Admin Prop of Another & Trusts
Calendar Title: Administration Property of Another and Trusts.
Description:
The basic law on the administration of the property of another by those performing acts of custody, simple administration or full administration. Includes those holding property under tutorship, curatorship, testamentary executorship, deposit,
mandate, substitution and trust.

Notes:
Restriction: Not open to students who have taken PRV4 448

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV4 549
Credit Weight: 3
Transcript Title: Equity and Trusts
Calendar Title: Equity and Trusts.
Description:
A consideration of the law of gratuitous transfers, concentrating on the express trust: the nature of the trust, the creation and conditions of validity of the trust, effect of failure, obligations and interests arising under the trust, variation, renovation, and termination of the trust. Related topics such as gifts, wills, intestate succession, powers of appointment and the rule against perpetuities may also be discussed.
Notes:
Restriction: Not open to students who have taken PRV4 449 or PRV4 449D1/D2

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV4 549D1
Credit Weight: 1.5
Transcript Title: Equity and Trusts
Calendar Title: Equity and Trusts.
Description:
A consideration of the law of gratuitous transfers, concentrating on the express trust: the nature of the trust, the creation and conditions of validity of the trust, effect of failure, obligations and interests arising under the trust, variation, renovation, and termination of the trust. Related topics such as gifts, wills, intestate succession, powers of appointment and the rule against perpetuities may also be discussed. This course provides an opportunity for immersion in the culture, epistemology and practices of the Common Law Tradition.
Notes:
Restriction: Not open to students who have taken PRV4 449 or PRV4 449D1/D2
Students must register for both PRV4 549D1 and PRV4 549D2.
No credit will be given for this course unless both PRV4 549D1 and PRV4 549D2 are successfully completed in consecutive terms.
PRV4 549D1 and PRV4 549D2 together are equivalent to PRV4 549

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV4 549D2
Credit Weight: 1.5
Transcript Title: Equity and Trusts
Calendar Title: Equity and Trusts.
Description:
See PRV4 549D1 for course description.
Notes:
Prerequisite: PRV4 549D1
Restriction: Not open to students who have taken PRV4 449 or PRV4 449D1/D2
No credit will be given for this course unless both PRV4 549D1 and PRV4 549D2 are successfully completed in consecutive terms.
PRV4 549D1 and PRV4 549D2 together are equivalent to PRV4 549

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active
PRV5 483
Credit Weight: 3
Transcript Title: Consumer Law
Calendar Title: Consumer Law.
Description:
A comparative study of civil and common law and consumer protection law in Quebec and in Canada.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PRV5 582
Credit Weight: 2
Transcript Title: Advanced Torts
Calendar Title: Advanced Torts.
Description:
This seminar examines in depth one or more selected problems in the law of torts such as protection of privacy, interference with economic and other relations, defamation, products liability, professional malpractice, strict liability, the future of tort law, and statutory compensation schemes.
Notes:
Restriction: Not open to students who have taken PRV5 182 Advanced Torts. Advanced Torts.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PSYC 100
Credit Weight: 3
Transcript Title: Introduction to Psychology
Calendar Title: Introduction to Psychology.
Description:
Introduction to the scientific study of mind and behavior, including basic concepts and methods in psychology while also highlighting the relevance of psychology to everyday life; attachment, aggression, depression, parenting and personality change.
Notes:
Fall
2 lectures; 1 conference
Restriction: Not open to students who have passed an Introductory Psychology course in CEGEP: 350-101 or 350-102 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 204
Credit Weight: 3
Transcript Title: Intro to Psychological Stats
Calendar Title: Introduction to Psychological Statistics.
Description:
The statistical analysis of research data; frequency distributions; graphic representation; measures of central tendency and variability; elementary sampling theory and tests of significance.
Notes:
Fall and Winter
Restriction: Not open to students who have passed a CEGEP statistics course(s) with a minimum grade of 75%; Mathematics 201-307 or 201-337 or equivalent or the combination of Quantitative Methods 300 with Mathematics 300
This course is a prerequisite for PSYC 305, PSYC 406, PSYC 310, PSYC 336
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 211
Credit Weight: 3
Transcript Title: Intro Behavioural Neuroscience
Calendar Title: Introductory Behavioural Neuroscience.
Description:
An introduction to contemporary research on the relationship between brain and behaviour. Topics include learning, memory and cognition, brain damage and neuroplasticity, emotion and motivation, and drug addiction and brain reward circuits. Much of the evidence will be drawn from the experimental literature on research with animals.
Notes:
Winter
2 lectures
Prerequisites: BIOL 111, 112 or 115, PSYC 100 or equivalent
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active
PSYC 212
Credit Weight: 3
Transcript Title: Perception
Calendar Title: Perception.
Description:
Perception is the organization of sensory input into a representation of the environment. Topics include: survey of sensory coding mechanisms (visual, auditory, tactile, olfactory, gustatory), object recognition, spatial localization, perceptual constancies and higher level influences.
Notes:
Fall 2 Lectures, 1 conference
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 213
Credit Weight: 3
Transcript Title: Cognition
Calendar Title: Cognition.
Description:
Where do thoughts come from? What is the nature of thought, and how does it arise in the mind and the brain? Cognition is the study of human information processing, and we will explore topics such as memory, attention, categorization, decision making, intelligence, philosophy of mind, and the mind-as computer metaphor.
Notes:
Winter
2 lectures, 1 conference
Prerequisite: One previous course in Psychology.
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 215
Credit Weight: 3
Transcript Title: Social Psychology
Calendar Title: Social Psychology.
Description:
The course offers students an overview of the major topics in social psychology. Three levels of analysis are explored beginning with individual processes (e.g., attitudes, attribution), then interpersonal processes (e.g., attraction, communication, love) and finally social influence processes (e.g., conformity, norms, roles, reference groups).
Notes:
Fall and Winter
3 lectures
Restriction: Not open to students who have taken PSYC 330, MGCR 221 or SOCI 216
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 301
Credit Weight: 3
Transcript Title: Animal Learning and Theory
Calendar Title: Animal Learning and Theory.
Description:
Contemporary and historical research and theory on animal learning approached from a behavioural, cognitive and biological perspective. Classical and instrumental conditioning, cognitive learning, and biological constraints. The status and history of North American behaviourism will be discussed and compared with cognitive and other approaches.

Notes:
Fall
Prerequisite(s): PSYC 211 or PSYC 213 or permission of instructor.
Restriction: Not open to students who have taken PSYC 211 prior to the 2000-01 academic year

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 302
Credit Weight: 3
Transcript Title: The Psychology of Pain
Calendar Title: The Psychology of Pain.
Description: An introduction to pain research and theory, with emphasis on the interactions of psychological, cultural and physiological factors in pain perception. The role of these factors in clinical pain and its management by pharmacological and non-pharmacological means will be discussed.
Notes:
Fall
3 lectures
Prerequisite: any of the following: NSCI 201, PSYC 211, PSYC 212 or permission of instructor.
Restriction: Not open to students who are taking or have taken PSYC 505.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 304
Credit Weight: 3
Transcript Title: Child Development
Calendar Title: Child Development.
Description: Psychology of children, covering critical issues, theories, biological underpinnings, experimental methods, and findings in perceptual, cognitive, language, emotional, and social development.
Notes:
Fall
2 lectures, 1 conference
Prerequisites: two courses from PSYC 211, PSYC 212, PSYC 213, and PSYC 215 or permission of the instructor
This course is a prerequisite for PSYC 412, PSYC 413, PSYC 414, PSYC 416

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 305
Credit Weight: 3
Transcript Title: Statistics for Exper Design
Calendar Title: Statistics for Experimental Design.
Description:
An introduction to the design and analysis of experiments, including analysis of variance, planned and post hoc tests and a comparison of anova to correlational analysis.

Notes:
Fall and Winter
Prerequisite: PSYC 204 or equivalent
This course is required of all students who propose to enter an Honours or Major program in Psychology
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 306
Credit Weight: 3
Transcript Title: Research Methods in Psychology
Calendar Title: Research Methods in Psychology.
Description:
The philosophy of science, the methods psychologists use, and how to interpret and evaluate psychological research. The ethical issues in psychological research and how to communicate psychological research in written and visual forms. How to become consumers of psychological science, and to provide building blocks to become expert producers of psychological science.
Notes:
Prerequisites: PSYC 100, PSYC 204
Corequisites: PSYC 305
Restrictions: Open to U2 students and above.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 310
Credit Weight: 3
Transcript Title: Intelligence
Calendar Title: Intelligence.
Description:
Introduction to the evolution and assessment of intelligence. Emphasizes measurement and correlates of the human intellect and the role of environment and heredity in social and race differences in intellectual and adaptive functioning. Evolution of intelligence in vertebrates and other intelligences including practical and emotional intelligence will be covered.
Notes:
Winter
2 lectures
Prerequisites: PSYC 204 or equivalent; one of PSYC 211, PSYC 212, PSYC 213, PSYC 215 or one of BIOL 111, BIOL 112, BIOL 115; or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 311
Credit Weight: 3
Transcript Title: Human Cognition and the Brain
Calendar Title: Human Cognition and the Brain.
Description:
The course is an introduction to the field studying how human cognitive processes, such as perception, attention, language, learning and memory, planning and organization, are related to brain processes. The material covered is primarily based on studies of the effects of different brain lesions on cognition and studies of brain activity in relation to cognitive processes with modern functional neuroimaging methods.

Notes:
Fall
2 lectures; 1 conference

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 315
Credit Weight: 3
Transcript Title: Computational Psychology
Calendar Title: Computational Psychology.
Description:
Notes:
Fall
Prerequisite: 15 credits in any of Psychology, Cognitive Science, Biology, Mathematics and Statistics, Computer Science, or Neuroscience.
Restriction: Not open to U0 or U1 students.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 317
Credit Weight: 3
Transcript Title: Genes and Behaviour
Calendar Title: Genes and Behaviour.
Description:
Focuses on current techniques employed to study which genes influence behaviour, and how they do so.
Notes:
Prerequisites: PSYC 211 or NSCI 201 or BIOL 306 or PHGY 314 or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 318
Credit Weight: 3
Transcript Title: Behavioural Neuroscience 2
Calendar Title: Behavioural Neuroscience 2.
Description:
The physiological bases of motivational states, with respect to feeding, drinking, sexual behaviour, drug use, and aggression. Physiological bases of learning and memory.
Notes:
Winter
Two lectures and one conference per week.
Prerequisite: NSCI 201 or PSYC 311 or BIOL 306 or PHGY 314.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 319
Credit Weight: 3
Transcript Title: Computational Models - Cognition
Calendar Title: Computational Models - Cognition.
Description:
Introduction to the purpose, design, and role of computational modeling in the cognitive sciences. Domains examined will include memory, categorization, and language. Focus will be on computational models to attain a better theoretical understanding of human behaviour. New trends, including the use of big data and machine learning.
Notes:
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 328
Credit Weight: 3
Transcript Title: Health Psychology
Calendar Title: Health Psychology.
Description:
Notes:
Fall
2 lectures
Prerequisite: PSYC 213 and PSYC 215.
Restrictions: Not open to students who have taken PSYC 429.
Available only to U2 and above.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 329
Credit Weight: 3
Transcript Title: Intro. to Auditory Cognition
Calendar Title: Introduction to Auditory Cognition.
Description:
Listener's response to sound. Higher-level mental principles including perception, attention, memory, motor control, and emotion. Sensation and perceptual organization of sound. Perception/production of speech, music, and other auditory events.
Notes:
3 lecture hours per week.
Prerequisites: PSYC 212 or PSYC 213 or permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 331
Credit Weight: 3
Transcript Title: Inter-Group Relations
Calendar Title: Inter-Group Relations.
Description: The course focuses on the social psychology of societal groups such as racial minorities, aboriginal groups and women. The ideological biases of current theories is first established. This is followed by a review of current theories and finally current controversies are explored including new forms of racism and affirmative action.
Notes: Winter
2 lectures
Prerequisite: PSYC 215
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 332
Credit Weight: 3
Transcript Title: Intro to Personality
Calendar Title: Introduction to Personality.
Description: This course examines some of the major theories of personality, e.g., those of Freud, Rogers, and Bandura. Empirical research inspired by these theories will also be examined. Topics include the nature of human motivation, the role of the self-concept, and the consistency and stability of personality.
Notes: Winter
3 lectures
Prerequisite: PSYC 100
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 333
Credit Weight: 3
Transcript Title: Personality & Social Psych
Calendar Title: Personality and Social Psychology.
Description: The course builds on and is an extension of Social Psychology (PSYC 215). Traditional approaches to person-situation interactions and a more dynamic approach based on recent research on goals and social cognition.
Notes: Winter
2 lectures
Prerequisite: PSYC 215
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 337
Credit Weight: 3
Transcript Title: Intro to Psychopathology
**Calendar Title:** Introduction to Psychopathology.

**Description:**
An introduction to major concepts and issues in the study of psychopathology in humans, including major models of etiology, diagnosis, prognosis, assessment, and treatment.

**Notes:**
Two lectures
Restrictions: Not open to students who have taken PSYC 338.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 340**

**Credit Weight:** 3

**Transcript Title:** Psych of Language

**Calendar Title:** Psychology of Language.

**Description:**
A survey of issues in psycholinguistics, focusing on the nature and processing of language (e.g., how we understand speech sounds, words, sentences, and discourse). Also surveyed: language and thought, the biological foundations of language, and first language acquisition.

**Notes:**
Winter
Prerequisite: PSYC 212 or PSYC 213.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 341**

**Credit Weight:** 3

**Transcript Title:** The Psychology of Bilingualism

**Calendar Title:** The Psychology of Bilingualism.

**Description:**
This course will examine issues in bilingualism, including second language acquisition in children and adults, critical period hypothesis, cognitive consequences and correlates of bilingualism, social psychological aspects of bilingualism, and bilingual education.

**Notes:**
Winter
2 lectures
Prerequisites: Introductory Psychology, and PSYC 340 or introduction to linguistics; or permission of instructor

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 342**

**Credit Weight:** 3

**Transcript Title:** Hormones & Behaviour

**Calendar Title:** Hormones and Behaviour.

**Description:**
The role of hormones in organization of CNS function, as effectors of behaviour, in expression of behaviours and in mental illness.

**Notes:**
Winter
2 lectures
Prerequisite: BIOL 111, BIOL 112, BIOL 115 or equivalent

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 351

Credit Weight: 3

Transcript Title: Res Mthds & Lab in Soc Psych

Calendar Title: Research Methods and Laboratory in Social Psychology.

Description:
Introduction to the issues, strategies, and applications of various research methodologies in social psychology; methods using both correlational and experimental procedures. Classic and contemporary approaches will be examined.

Notes:

Fall
Prerequisite: PSYC 215 and PSYC 305
Restriction: Open to U2 students and above.

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 352

Credit Weight: 3

Transcript Title: Res Mthds & Lab in Cog Psych

Calendar Title: Research Methods and Laboratory in Cognitive Psychology.

Description:
Introduction to research methods and experimental techniques in cognitive psychology for exploring topics such as attention, memory, categorization, reasoning, and language processing.

Notes:

Winter
1 hour lecture, weekly lab
Prerequisite: PSYC 213 and PYSC 305.
Restriction: Open to U2 students or above

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 353

Credit Weight: 3

Transcript Title: Res Mthds & Lab in Hum Percept

Calendar Title: Research Methods and Laboratory in Human Perception.

Description:
Introduction to standard psychophysical procedures and data analysis techniques. Modelling behavioural data using various psychophysical methods.

Notes:

Winter
1 hour lecture plus 3 hour lab
Prerequisite(s): PSYC 212 and PSYC 305

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 380D1

Credit Weight: 4.5

Transcript Title: Honours Research Project Sem
Calendar Title: Honours Research Project Seminar.
Description: First laboratory research project.
Notes: 3 hour seminar
Restriction: For U2 honours students only. Requires departmental approval.
Students must register for both PSYC 380D1 and PSYC 380D2.
No credit will be given for this course unless both PSYC 380D1 and PSYC 380D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 380D2
Credit Weight: 4.5
Transcript Title: Honours Research Project Sem
Calendar Title: Honours Research Project Seminar.
Description: See PSYC 380D1 for course description.
Notes: Winter
Prerequisite: PSYC 380D1
No credit will be given for this course unless both PSYC 380D1 and PSYC 380D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 385
Credit Weight: 3
Transcript Title: Independent Research Project 1
Calendar Title: Independent Research Project 1.
Description: Supervised research project with a final written report.
Notes: Prerequisites: PSYC 305 or equivalent; requires departmental approval.
Restrictions: This course is open to students that have completed the 24 credits and that have a minimum CGPA of 3.00.
Offered in the fall, winter or summer term.
For more information, see the Department of Psychology website.
Requires a supervisor, application approval
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 395
Credit Weight: 6
Transcript Title: Psychology Research Project 1
Calendar Title: Psychology Research Project 1.
Description: Supervised research project.
Notes: Fall or Winter
Prerequisites: 24 credits of the psychology program, PSYC 305 or equivalent and CGPA above 3.00.
Restriction: Requires departmental approval.
Restriction: Registration is by special arrangement with Psychology staff, and project proposals must be approved by the Department before registration. For more information see the Psychology Department website.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

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**PSYC 396**

**Credit Weight:** 3

**Transcript Title:** Undergraduate Research Project

**Calendar Title:** Undergraduate Research Project.

**Description:**

Independent research project with a final written report.

**Notes:**

- Fall or Winter

Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.

Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

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**PSYC 403**

**Credit Weight:** 3

**Transcript Title:** Modern Psych in Hist Persp

**Calendar Title:** Modern Psychology in Historical Perspective.

**Description:**

A survey of the scientific and ideological influences on psychology from its philosophical beginnings through the period of the schools to its modern situation.

**Notes:**

- Fall

2 lectures

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

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**PSYC 406**

**Credit Weight:** 3

**Transcript Title:** Psychological Tests

**Calendar Title:** Psychological Tests.

**Description:**

An introduction to the theory and practice of psychological measurement in health, educational, clinical and industrial/organizational settings. Attention to procedures for developing and validating tests and questionnaires. Techniques include: intelligence tests, projective tests, questionnaires, structured
interviews, rating scales, and behavioural/performance tests.

Notes:
Winter
2 lectures
Prerequisite: PSYC 204 or equivalent

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 408
Credit Weight: 3
Transcript Title: Princip&Apps of Psychother
Calendar Title: Principles and Applications of Psychotherapy.
Description:
Introduction to the theories, research, and practice of psychotherapy, with a particular focus on cognitive behavioural and related therapies. Discussion of broad topics such as historical perspectives on psychotherapy, the empirical study of psychotherapy, and ethical issues related to psychotherapy. Traditional and contemporary cognitive-behavioural therapies and their application to mood, anxiety, eating, and personality disorders will be reviewed. Current interest topics in psychotherapy (e.g., neurocognitive correlates of change, technology in treatment) will be highlighted.
Notes:
2 lectures
Prerequisite(s): PSYC 337
Restriction: U2 and above

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 409
Credit Weight: 3
Transcript Title: Positive Psychology
Calendar Title: Positive Psychology.
Description:
Didactic instruction and experiential learning in its coverage of three issues central to this field: positive emotions, positive individual traits, and positive institutions. Topics covered include sensory savoring, expressing gratitude, optimism, identifying and building strengths, kindness, and meaning.
Notes:
Prerequisites: PSYC 215 Social Psychology
Note: Permission from instructor is required.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 410
Credit Weight: 3
Transcript Title: Sp Topics in Neuropsychology
Calendar Title: Special Topics in Neuropsychology.
Description:
Developments in cognitive neuroscience and cognitive neuropsychiatry via readings from primary sources. Topics include the neural bases of memory, emotion, social cognition and neuropsychiatric diseases. Integrating knowledge from studies in clinical populations and functional neuroimaging studies.
Notes:
Fall
Two lectures per week.
Prerequisites: PSYC 213 and PSYC 311 (or NSCI 201). Knowledge of basic neuropsychology at the level covered in PSYC 311 is assumed.

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 411
Credit Weight: 3
Transcript Title: Discrimtn&Wellb:MargnldCommts
Calendar Title: Discrimination & Wellbeing in Marginalized Communities.
Description:
Examination of research on the associations between discrimination and health, with emphases on how (1) various types of discrimination (e.g., interpersonal, microaggression, online, institutional) impact health and wellbeing and (2) various factors rooted in individual's cultural values and beliefs help provide resilience against the effects of discrimination.
Notes:
Corequisites: PSYC 337
Restrictions: Open to U2 students or above

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 412
Credit Weight: 3
Transcript Title: Child Dev.: Psychopathol.
Calendar Title: Child Development: Psychopathology.
Description:
Introduction to the field of behavior disorders of childhood and adolescence, including core issues, theoretical and methodological underpinnings, descriptions and discussions of many disorders, clinical and research data, and treatment approaches. Three major assumptions will be woven through the course.
Notes:
Winter
Two lectures and one conference weekly.
Corequisite: PSYC 304 or PSYC 337 or permission of instructor

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active

PSYC 413
Credit Weight: 3
Transcript Title: Cognitive Development
Calendar Title: Cognitive Development.
Description:
In-depth exploration of cognitive development in infants and children including knowledge representation and processing, conceptual development, language development, and theories and principles of cognitive development.
Notes:
Fall
3 hours
Prerequisite: PSYC 304 or PSYC 213 or equivalent

Administering Faculty: Faculty of Science

Teaching Department: Psychology

Status (catalog level): Active
PSYC 414
Credit Weight: 3
Transcript Title: Social Development
Calendar Title: Social Development.
Description: Advanced study of the development of social behaviour and social cognition in children. Topics include: socialization, attachment, aggression, exploration, role taking, communication, family and peer relations, self and person perception. The development of these social processes within the framework of three general theories of development: behaviour genetics, learning, and cognitive-developmental.
Notes: Fall
Prerequisites: PSYC 304 and PSYC 305
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 415
Credit Weight: 3
Transcript Title: EEG Laboratory in Psychology
Calendar Title: Electroencephalography (EEG) Laboratory in Psychology.
Description: Introduction to the use of electroencephalography (EEG) for measuring brain function in behavioural neuroscience experiments. Recording and analyzing EEG data, as well as in designing experiments and interpreting findings using this method. Topics include the neural basis of EEG, recording principles and techniques, EEG data analysis (frequency bands, averaging, sources of noise, filtering, signal to noise), event-related potential analysis (ERP), spectral analysis and time-frequency analysis, data visualization, topographical maps.
Notes: Prerequisites: PSYC 211 (or NCSI 201), PSYC 212, and PSYC 213
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 427
Credit Weight: 3
Transcript Title: Sensorimotor Neuroscience
Calendar Title: Sensorimotor Neuroscience.
Description: A systematic examination of the sensorimotor system, drawing on models and data from both behavioural and physiological studies. Topics include: cortical motor areas, cerebellum, basal ganglia, spinal mechanisms, motor unit properties and force production, proprioception, muscle properties.
Notes: Winter
2 lectures
Prerequisite: NSCI 201 or PSYC 211 and PSYC 212 or permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 433
Credit Weight: 3
Transcript Title: Cognitive Science
Calendar Title: Cognitive Science.
Description:
The multi-disciplinary study of cognitive science, exploring the computer metaphor of the mind as an information-processing system. Focus on levels of analysis, symbolic modeling, Turing machines, neural networks, as applied to topics such as reasoning, vision, decision-making, and consciousness.
Notes:
Winter
Prerequisite(s): PSYC 212 or PSYC 213
Restrictions: Not open to students who have taken PSYC 532.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 436
Credit Weight: 3
Transcript Title: Human Sexuality & Its Problems
Calendar Title: Human Sexuality and Its Problems.
Description:
This course will deal with typical sexual behavior and its variations. Topics will include the history of sex research, the sexual response cycle, sexual dysfunction, gender identity, sexual orientation, etc. Current research and theory will be emphasized.
Notes:
Fall
Prerequisite: either PSYC 337 or permission of the instructor
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 439
Credit Weight: 3
Transcript Title: Correlational Techniques
Calendar Title: Correlational Techniques.
Description:
The statistical analysis of relations among a number of variables in situations common in psychology. Methods include regression analysis, principal components analysis, and other techniques for modelling the structure of correlation matrices.
Notes:
Winter
Prerequisites: PSYC 305 or its equivalent.
Restrictions: Not open to students who have taken PSYC 536.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 443
Credit Weight: 3
Transcript Title: Affective Neuroscience
Calendar Title: Affective Neuroscience.
Description:
Focus on the neurobiology of emotion, the links between emotion and cognition, and the role of experience and individual differences in emotional states associated with psychopathology.
Notes:
Prerequisite: PSYC211 or NSCI201 or BIOL306 or PSYC318 or permission of instructor
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 444
Credit Weight: 3
Transcript Title: Sleep Mechanisms and Behaviour
Calendar Title: Sleep Mechanisms and Behaviour.
Description:
This course covers basic biological mechanisms, possible functions and behavioural aspects of sleep. Additional topics include: disorders of sleep, their effects on behaviour and cognition, and treatment approaches; as well as medical, neurological and psychiatric disorders, and drugs, that affect sleep.
Notes:
Fall
Prerequisites: One of PSYC 211, NSCI 201, PHGY 209 AND one of PSYC 311, PSYC 317, PSYC 318, PSYC 342 or permission of instructor.
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 450D1
Credit Weight: 4.5
Transcript Title: Research Project & Seminar
Calendar Title: Research Project and Seminar.
Description:
Under supervision of an adviser approved by the Department, students design and carry out a research project. Students report their research in seminars throughout the year, in a final written report that takes the form of a data-based APA style manuscript, and in a poster presentation at the departmental poster session.
Notes:
Prerequisites: PSYC 204, PSYC 305.
Restriction: Requires departmental approval.
Restriction: Only for Major or special students in U3 who intend to proceed to graduate school
Students will be admitted on the basis of a written application on forms available from the Department (Room N7/9). Applications must be submitted by August 1st.
Students must register for both PSYC 450D1 and PSYC 450D2.
No credit will be given for this course unless both PSYC 450D1 and PSYC 450D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 450D2
Credit Weight: 4.5
Transcript Title: Research Project & Seminar
Calendar Title: Research Project and Seminar.
Description:
See PSYC 450D1 for course description.
Notes:
Winter
Prerequisite: PSYC 450D1
No credit will be given for this course unless both PSYC 450D1 and PSYC 450D2 are successfully completed in consecutive terms

**Administering Faculty**: Faculty of Science

**Teaching Department**: Psychology

**Status (catalog level)**: Active

**PSYC 470**

**Credit Weight**: 3

**Transcript Title**: Memory and Brain

**Calendar Title**: Memory and Brain.

**Description**:
Memory systems are studied with an emphasis on the neural computations that occur at various stages of the processing stream, focusing on the hippocampus, amygdala, basal ganglia, cerebellum and cortex. The data reviewed is obtained from human, non-human primates and rodents, with single unit recording, neuroimaging and brain damaged subjects.

**Notes**:

Winter
3 hour lecture per week
Prerequisites: NSCI 201 and (PSYC 318 or PHGY 311 or BIOL 306)

**Administering Faculty**: Faculty of Science

**Teaching Department**: Psychology

**Status (catalog level)**: Active

**PSYC 471**

**Credit Weight**: 3

**Transcript Title**: Human Motivation

**Calendar Title**: Human Motivation.

**Description**:
The course is designed to explore questions such as "Why do people often fail to reach their personal goals?" Current goal-based and need-based theories of human motivation will be reviewed. The instructor will highlight the relevance of motivation research to the domains of education, sports and management.

**Notes**:

Fall
3 hours lectures
Prerequisite: PSYC 215

**Administering Faculty**: Faculty of Science

**Teaching Department**: Psychology

**Status (catalog level)**: Active

**PSYC 473**

**Credit Weight**: 3

**Transcript Title**: Social Cognition and the Self

**Calendar Title**: Social Cognition and the Self.

**Description**:
This course examines the social psychological literature emphasizing a) social cognition - how people think about and make sense of their social experiences; and b) self theory - how people create and maintain a sense of identity. These frameworks will be applied to social psychological topics including close relationships, attitudes and self-esteem.

**Notes**:

Winter
2 lectures
Prerequisites: PSYC 215 and PSYC 333 or PSYC 331 or PSYC 474
Restriction: Not open to students who have taken PSYC 411

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 474
Credit Weight: 3
Transcript Title: Interpersonal Relationships
Calendar Title: Interpersonal Relationships.
Description:
Psychological science approach to interpersonal relationships. Organized in terms of the development of relationships, focusing first on impression formation as a platform for the development of relationships. Then we focus on close relationships, examining interpersonal constructs (intimacy, trust, commitment) and reconsidering social cognitive constructs (attributions, schemas) in an interpersonal context.
Notes:
Winter
Prerequisite: PSYC 215, PSYC 204, and PSYC 333 or permission of instructor

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 475
Credit Weight: 3
Transcript Title: Neuroscience of Social Psych
Calendar Title: Neuroscience of Social Psychology.
Description:
The biological underpinnings of human social cognition and behavior, including neural, hormonal, and genetic mechanisms. By integrating multiple levels of analysis (biological, psychological), as well as different perspectives (basic, clinical, applied), the aim is to gain a deeper understanding of classic social psychological processes. Topics will include social cognition/theory of mind, empathy and understanding others, cooperation and prosocial behavior, interpersonal relationships, the self/agency, morality and anti-social behavior as well as basic methodological approaches to the study of social neuroscience and emerging issues in the field.
Notes:
Prerequisites: PSYC 215 and (NSCI 201 or PSYC 211) and one of (PSYC 311 or PSYC 318 or PSYC 331 or PSYC 332 or PSYC 333), or permission of instructor.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 482
Credit Weight: 3
Transcript Title: Advanced Honours Seminar
Calendar Title: Advanced Honours Seminar.
Description:
Ethical issues in scientific and clinical psychology, scientific psychology and social policy; and other issues.
Notes:
Fall
2 lectures, plus student presentations, debates, and discussions.
Restrictions: Not open to students who have taken 204-480D. For Honours students
only.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 483
Credit Weight: 3
Transcript Title: Sem. in Exp. Psychopathology
Calendar Title: Seminar in Experimental Psychopathology.
Description:
Design of experiments in psychopathology, interviewing techniques and clinical diagnosis.
Notes:
Winter
2 lectures
Prerequisites: PSYC 305 and PSYC 337, or permission of instructor.
Restriction: For U3 students only.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 484D1
Credit Weight: 3
Transcript Title: Independent Research Project 2
Calendar Title: Independent Research Project 2.
Description:
Supervised research project.
Notes:
Prerequisites: PSYC 305 or equivalent. Departmental approval is required.
Restrictions: This course is open to students that have completed 30 credits in psychology and that have a minimum CGPA of 3.0.
Offered in fall-winter, winter-summer, summer-fall.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
No credit will be given for this course unless both PSYC 484D1 and PSYC 484 D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 484D2
Credit Weight: 3
Transcript Title: Independent Research Project 2
Calendar Title: Independent Research Project 2.
Description:
See PSYC 484D1 for course description.
Notes:
Prerequisites: PSYC 305 or equivalent. Departmental approval is required.
Restrictions: This course is open to students that have completed 30 credits in psychology and that have a minimum CGPA of 3.0.
Offered in fall-winter, winter-summer, summer-fall.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
No credit will be given for this course unless both PSYC 484D1 and PSYC 484 D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 484N1
Credit Weight: 3
Transcript Title: Independent Research Project 2
Calendar Title: Independent Research Project 2.
Description:
See PSYC 484D1 for course description.
Notes:
Prerequisites: PSYC 305 or equivalent. Departmental approval is required.
Restrictions: This course is open to students that have completed 30 credits in psychology and that have a minimum CGPA of 3.0.
Offered in fall-winter, winter-summer, summer-fall.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
No credit will be given for this course unless both PSYC 484N1 and PSYC 484N2 are successfully completed in consecutive term
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 484N2
Credit Weight: 3
Transcript Title: Independent Research Project 2
Calendar Title: Independent Research Project 2.
Description:
See PSYC 484D1 for course description.
Notes:
Prerequisites: PSYC 305 or equivalent. Departmental approval is required.
Restrictions: This course is open to students that have completed 30 credits in psychology and that have a minimum CGPA of 3.0.
Offered in fall-winter, winter-summer, summer-fall.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
No credit will be given for this course unless both PSYC 484N1 and PSYC 484N2 are successfully completed in consecutive term
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 485
Credit Weight: 3
Transcript Title: Independent Research Project 3
Calendar Title: Independent Research Project 3.
Description:
Supervised research project with a final written report.
Notes:
Prerequisites: PSYC 385. Departmental approval is required.
Restrictions: This course is open to students that have a minimum CGPA of 3.0.
Offered in the fall, winter or summer term.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active
PSYC 486
Credit Weight: 3
Transcript Title: Independent Honours Research 1
Calendar Title: Independent Honours Research 1.
Description:
Second Honours research project.
Notes:
Prerequisites: PSYC 380D1/D2. Departmental approval is required.
Offered in fall, winter or summer.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 487
Credit Weight: 3
Transcript Title: Independent Honours Research 2
Calendar Title: Independent Honours Research 2.
Description:
Third Honours research project.
Notes:
Prerequisites: PSYC 486. Departmental approval is required.
Offered in the fall, winter or summer term.
For more information, see the Department of Psychology website.
Requires a supervisor, and application.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 488D1
Credit Weight: 3
Transcript Title: Independent Honours Research 3
Calendar Title: Independent Honours Research 3.
Description:
Supervised research project with a final written report.
Notes:
Restriction: Only open to Honours Psychology students.
Students must register for both PSYC 488D1 and PSYC 488D2.
No credit will be given for this course unless both PSYC 488D1 and PSYC 488D2 are
successfully completed in consecutive terms.
Prerequisites: PSYC 380D1/PSYC 380D2. Departmental approval is required.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 488D2
Credit Weight: 3
Transcript Title: Independent Honours Research 3
Calendar Title: Independent Honours Research 3.
Description:
See PSYC 488D1 for description.
Notes:
Prerequisite: PSYC 488D1.
No credit will be given for this course unless both PSYC 488D1 and PSYC 488D2 are
successfully completed in consecutive terms.
Restriction: Only open to Honours Psychology students.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 491D1**

**Credit Weight:** 3

**Transcript Title:** Adv Study: Behaviour. Disorders

**Calendar Title:** Advanced Study: Behavioural Disorders.

**Description:**
A critical examination of topics in abnormal and clinical psychology. Emphasis will be on analysis of theoretical positions and empirical findings as they relate to both etiology and treatment.

**Notes:**
3 hours of seminar per week plus a placement at a clinical or specialized educational site.

Prerequisites: PSYC 337

Students must register for both PSYC 491D1 and PSYC 491D2.

No credit will be given for this course unless both PSYC 491D1 and PSYC 491D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 491D2**

**Credit Weight:** 3

**Transcript Title:** Adv Study: Behaviour. Disorders

**Calendar Title:** Advanced Study: Behavioural Disorders.

**Description:**
See PSYC 491D1 for course description.

**Notes:**
Prerequisites: PSYC 337

Students must register for both PSYC 491D1 and PSYC 491D2.

No credit will be given for this course unless both PSYC 491D1 and PSYC 491D2 are successfully completed in consecutive terms.

3 hours of seminar per week plus a placement at a clinical or specialized educational site.

**Administering Faculty:** Faculty of Science

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 492**

**Credit Weight:** 3

**Transcript Title:** Special Topics Seminar 1

**Calendar Title:** Special Topics Seminar 1.

**Description:**
These seminars are offered by special arrangement between interested Psychology staff and students. Note: A written proposal detailing the plans for the seminar must be approved by the Department Curriculum Committee before the student is permitted to register for this course. This proposal must be received by the Departmental Curriculum Committee well before the beginning of the term for which the seminar is proposed. Consult the Departmental Handbook for additional information.

**Notes:**
Fall or Winter

Restriction: U3 students. Requires departmental approval.
Administering Faculty: Faculty of Science  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 493**

Credit Weight: 3  
Transcript Title: Special Topics Seminar 2  
Calendar Title: Special Topics Seminar 2.  
Description: These seminars are offered by special arrangement between interested Psychology staff and students. Note: A written proposal detailing the plans for the seminar must be approved by the Department Curriculum Committee before the student is permitted to register for this course. This proposal must be received by the Departmental Curriculum Committee well before the beginning of the term for which the seminar is proposed. Consult the Departmental Handbook for additional information.  
Notes: Fall or Winter  
Restriction: U3 students. Requires departmental approval.

Administering Faculty: Faculty of Science  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 494D1**

Credit Weight: 4.5  
Transcript Title: Psychology Research Project  
Calendar Title: Psychology Research Project.  
Description: Supervised research project.  
Notes: Prerequisites: 30 credits of the psychology program, PSYC 305 or equivalent and CGPA above 3.00. Restrictions: Requires departmental approval. Registration is by special arrangement with Psychology staff, and project proposals must be approved by the Department before registration. For more information see the Psychology Department website. Students must register for both PSYC 494D1 and PSYC 494D2. No credit will be given for this course unless both PSYC 494D1 and PSYC 494D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Science  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 494D2**

Credit Weight: 4.5  
Transcript Title: Psychology Research Project  
Calendar Title: Psychology Research Project.  
Description: See PSYC 494D1 for course description.  
Notes: Prerequisite: PSYC 494D1. No credit will be given for this course unless both PSYC 450D1 and PSYC 450D2 are successfully completed in consecutive terms.

Administering Faculty: Faculty of Science  
Teaching Department: Psychology  
Status (catalog level): Active
PSYC 494N1
Credit Weight: 4.5
Transcript Title: Psychology Research Project
Calendar Title: Psychology Research Project.
Description: Supervised research project.
Symbols: 
Notes: Prerequisites: 30 credits of the psychology program, PSYC 305 or equivalent and CGPA above 3.00. Restriction: Requires departmental approval. Restriction: Registration is by special arrangement with Psychology staff, and project proposals must be approved by the Department before registration. Please see regulations concerning Project Courses. For more information see the Psychology Department website. Students must also register for PSYC 494N2. No credit will be given for this course unless both PSYC 494N1 and PSYC 494N2 are successfully completed in a twelve month period.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 494N2
Credit Weight: 4.5
Transcript Title: Psychology Research Project
Calendar Title: Psychology Research Project.
Description: See PSYC 494N1 for course description.
Symbols: 
Notes: Prerequisite: PSYC 494N1. No credit will be given for this course unless both PSYC 494N1 and PSYC 494N2 are successfully completed in a twelve month period.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 495
Credit Weight: 6
Transcript Title: Psychology Research Project 2
Calendar Title: Psychology Research Project 2.
Description: Supervised research project.
Notes: Fall or Winter Prerequisite: PSYC 395 or equivalent. Restriction: Registration is by special arrangement with Psychology staff, and project proposals must be approved by the Department before registration. For more information see the Psychology Department website.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 496
Credit Weight: 6
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
<th>Calendar Title</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 497</td>
<td>6</td>
<td>Senior Honours Research 1</td>
<td>Senior Honours Research 1</td>
<td>Second laboratory research project.</td>
<td>Prerequisite: PSYC 380D1/PSYC 380D2</td>
</tr>
<tr>
<td>PSYC 498D1</td>
<td>4.5</td>
<td>Senior Honours Research 2</td>
<td>Senior Honours Research 2</td>
<td>Third laboratory research project.</td>
<td>Prerequisite: PSYC 380D1/PSYC 380D2. Co-requisite: PSYC 496</td>
</tr>
<tr>
<td>PSYC 498D2</td>
<td>4.5</td>
<td>Senior Honours Research</td>
<td>Senior Honours Research</td>
<td>Second two-term laboratory research project culminating in an APA style manuscript based on data, and a scientific poster presentation at the departmental poster session. Students must register for both PSYC 498D1 and PSYC 498D2. No credit will be given for this course unless both PSYC 498D1 and PSYC 498D2 are successfully completed in consecutive terms.</td>
<td>Prerequisite: PSYC 380D1/PSYC 380D2</td>
</tr>
<tr>
<td>PSYC 499</td>
<td>1</td>
<td>Senior Honours Research</td>
<td>Senior Honours Research</td>
<td>See PSYC 498D1 for course description.</td>
<td>Prerequisite: PSYC 498D1</td>
</tr>
</tbody>
</table>

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active
Transcript Title: Reading Project
Calendar Title: Reading Project.
Description: Under the guidance of an instructor with the relevant expertise, the student explores the literature on a special topic.
Notes: Fall or Winter
Prerequisites: PSYC 211, PSYC 212, PSYC 214, PSYC 215 and PSYC 305
Restriction: Open only to U3 students
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 502
Credit Weight: 3
Transcript Title: Psychoneuroendocrinology
Calendar Title: Psychoneuroendocrinology.
Description: This advanced seminar course offers an in-depth introduction to current topics in psychoneuroendocrinology. Students will read and discuss original scientific literature from human and animal research interrogating the mechanisms by which hormones act in the brain to influence behaviour in health and disease. Students will gain a refined understanding of key concepts in psychoneuroendocrinology, such as negative feedback control and the key neuroendocrine axes and their role in behavioural control. They will apply this knowledge to critically evaluate original scientific literature and generate hypothesis-driven research questions from the scientific literature.
Notes: Fall Please note that a B- in the prerequisite course(s) is recommended.
Prerequisite: One of PSYC 311, PSYC 318, PSYC 342, NSCI 201, or permission of the instructor.
Restriction: Open only to Psychology, Cognitive Science and Neuroscience students. Not open to students who have taken PSYC 365.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 506
Credit Weight: 3
Transcript Title: Cognitive Neuroscience of Attn
Calendar Title: Cognitive Neuroscience of Attention.
Description: An introduction to cognitive properties and neural mechanisms of human attention. The material will include an overview of the history of attention research, contemporary theories of attention, the varieties of attention, behavioral and neuroimaging experimental methods, the nature of attentional dysfunctions, and the links between attention and other cognitive functions including memory and consciousness.
Notes: Fall
Prerequisites: PSYC 213 and PSYC 311, and one of PSYC 305 OR BIOL 373, or permission of instructor.
Restrictions: Open only to Psychology, Cognitive Science and Neuroscience students. Not open to students who have taken PSYC 365.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active
PSYC 507
Credit Weight: 3
Transcript Title: Emotions, Stress, and Illness
Calendar Title: Emotions, Stress, and Illness.
Description:
Emotional effects on peripheral physiology and the development, course, and outcome of physical disorders such as high blood pressure, coronary artery disease, ulcers, asthma, and cancer.
Notes:
Prerequisites: PSYC 337, PSYC 328 and permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 509
Credit Weight: 3
Transcript Title: Diverse Clinical Populations
Calendar Title: Diverse Clinical Populations.
Description:
Poverty is a significant risk factor for psychological disorder. In this class, we will examine critically research focused on this association, with an emphasis on (a) mechanisms underlying the link between poverty and psychopathology, and (b) development and dissemination of evidence-based treatments for individuals living in poverty. Particular attention will be paid to the research methodologies used to address these questions.
Notes:
Fall
Prerequisites: PSYC 204 and PSYC 337
Restriction: Restricted to graduate students in Psychology and to U3 students enrolled in one of the following programs: BSc; Major in Psychology, BSc; Honours in Psychology, BA; Major Concentration in Psychology, BA; Honours in Psychology, BA; Joint Honours - Psychology Component, or by permission of the instructor.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 512
Credit Weight: 3
Transcript Title: Advanced Personality Seminar
Calendar Title: Advanced Personality Seminar.
Description:
Advanced topics in personality. Focus on power, status, and dominance and how these are manifested in social behavior. Dominance in nonhuman species, biological substrates of dominance, relations of status and dominance to social cognition, affect, and health; gender, role and cultural influences on dominance.
Notes:
Prerequisite: PSYC 332 or permission of instructor.
Restrictions: Open to psychology students. Enrolment limited. Students must be in U3 or above. Departmental permission required.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 513
Credit Weight: 3
Transcript Title: Human Decision-Making
Calendar Title: Human Decision-Making.
Description:
Interdisciplinary study of decision-making, covering contemporary approaches to understanding how humans compute values and make choices. Measurement of and techniques for assessing variables such as risk and uncertainty, utilities and preferences, reinforcement learning, heuristics and biases, and self-control. Emphasis on quantitative models of decision-making.
Notes:
Prerequisite(s): PSYC 212 or PSYC 213 and U3 standing; or permission of instructor
Restriction(s): Not open to students who have taken PSYC 562 in Winter 2017.
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 514
Credit Weight: 3
Transcript Title: Neurobiology of Memory
Calendar Title: Neurobiology of Memory.
Description:
Advances in the understanding of the neurobiological bases of fundamental memory processes, such as memory consolidation maintenance, retrieval, and forgetting. The contribution of their dysregulation to neurodevelopmental and neurodegenerative diseases. Consideration of findings from a variety of species, spanning insects to humans.
Notes:
Winter
Prerequisite: BIOL 306 or PHGY 311 or NSCI 201 or NEUR 310 or permission of the instructor
Restriction: Not open to students who have taken BIOL 514.
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 522
Credit Weight: 3
Transcript Title: Neurochemistry and Behaviour
Calendar Title: Neurochemistry and Behaviour.
Description:
Anatomical, biochemical and physiological aspects of neurotransmitter systems in the brain, current theories of the function of these systems in normal and abnormal behaviour, and the actions of psychotropic drugs.
Notes:
Winter
2 lectures
Prerequisites: any two of the following NSCI 201, PSYC 311, PSYC 318, ANAT 321, PHGY 314, BIOL 306
Restrictions: Not open to students who have taken or are taking PHAR 562
Administrating Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 526
Credit Weight: 3
Transcript Title: Advances in Visual Perception
Calendar Title: Advances in Visual Perception.
Description:
We examine in detail the structure of the visual system, and its function as reflected in the perceptual abilities and behaviour of the organism. Parallels are also drawn with other sensory systems to demonstrate general principles of sensory coding.
Notes:
Winter
2 lectures
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 528
Credit Weight: 3
Transcript Title: Vulnerability to Dep. and Anx.
Calendar Title: Vulnerability to Depression and Anxiety.
Description:
This course will examine in depth cognitive, behavioral, biological, and developmental psychopathology models of the etiology of depression and anxiety. Within each theoretical perspective, core issues, theoretical and methodological underpinnings, and research data will be examined.
Notes:
Prerequisite: PSYC 337 or PSYC 412 or permission of instructor. Requires departmental approval.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 529
Credit Weight: 3
Transcript Title: Music Cognition
Calendar Title: Music Cognition.
Description:
Interdisciplinary study of music cognition, with an emphasis on psychological, computational, and neuroscientific approaches. Focuses on listeners' response to sound, including perception, attention, memory, motor control, skilled performance, and emotional response.
Notes:
Fall
Prerequisites: PSYC 212, PSYC 213, PSYC 204 (or equivalent)
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 530
Credit Weight: 3
Transcript Title: Applied Topics in Deafness
Calendar Title: Applied Topics in Deafness.
Description:
Covers fundamental topics in deafness (sensory, perceptual, cognitive, social, linguistic, education and health issues) from an applied psychological perspective. Lectures and seminar presentations plus field work involving ASL/LSQ.
Notes:
Fall
Prerequisite: PSYC 340 or PSYC 316 or equivalent. Permission of instructor
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 531
Credit Weight: 3
Transcript Title: Structural Equation Models
Calendar Title: Structural Equation Models.
Description:
The course introduces basic concepts underlying structural equation models (SEM). SEM, which combine regression analysis and factor analysis, are quite useful and are currently very popular in analyzing data that arise in social, developmental and clinical psychology. The students are expected to get first-hand experiences in fitting SEM, and learn how to interpret and report the results from SEM.
Notes:
Fall
one 2-hour lecture plus one lab
Prerequisite: PSYC 305 and (PSYC 439 or PSYC 536) or permission of the instructor

PSYC 535
Credit Weight: 3
Transcript Title: Adv Topics in Social Psych
Calendar Title: Advanced Topics in Social Psychology.
Description:
Classic and contemporary readings in a specific content area within social psychology will be assigned in order to examine the sub-area in depth. The focus will vary depending upon the specialty area of the instructor. These areas include interpersonal relationships, intergroup relations, the self, and social cognition.
Notes:
Winter
Prerequisites: PSYC 215; and PSYC 333 or PSYC 351 or PSYC 380.
Restriction: Departmental permission required.
Restriction: Graduate Students, enrolment limited

PSYC 537
Credit Weight: 3
Transcript Title: Adv Seminar in Psych of Lang
Calendar Title: Advanced Seminar in Psychology of Language.
Description:
Topics may include: the neural basis of language, evolutionary approaches to language, pragmatics and figurative language processing, disordered language processing, models of spoken word recognition.
Notes:
Fall
Prerequisites: PSYC 213 and one of: PSYC 340, LING 200, or LING 201.
Note: Prior background in the psychology of language, cognitive psychology, or linguistics is essential.

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active
PSYC 538
Credit Weight: 3
Transcript Title: Categoriz Communic & Consciou
Calendar Title: Categorization, Communication and Consciousness.
Description: The main challenges that cognitive science faces today, focusing on the capacity to learn sensorimotor categories, to name and describe them verbally, and to transmit them to others, concluding with cognition distributed on the Web.
Notes: Prerequisite(s): Student must have completed a 300 level course in one of the following: Linguistics, Philosophy, Psychology, Computer Science, or Neuroscience.
Restriction(s): Restricted to U2 students or above.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 539
Credit Weight: 3
Transcript Title: Adv Topics in Social Psych 2
Calendar Title: Advanced Topics in Social Psychology 2.
Description: Classic and contemporary readings in a specific content area within social psychology. The focus will vary depending upon the specialty area of the instructor, including interpersonal relationships, intergroup relations, the self, and social cognition.
Notes: Prerequisites: PSYC 215; and PSYC 333 or PSYC 351 or PSYC 380.
Restriction: Departmental permission required.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 541
Credit Weight: 3
Transcript Title: Multilevel Modelling
Calendar Title: Multilevel Modelling.
Description: Basic concepts of multilevel linear and nonlinear models and applying these methods to empirical data.
Notes: Fall
Prerequisite: PSYC 305 and (PSYC 439 or PSYC 536)
Limited enrolment.
Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 545
Credit Weight: 3
Transcript Title: Topics in Language Acquisition
Calendar Title: Topics in Language Acquisition.
Description: Psychological mechanisms and theories of first language acquisition in infancy and early childhood. Topics such as: infant speech perception, acquisition of grammar,
word learning, pidgin and Creole languages, critical and sensitive periods, genetic and evolutionary bases of language.

Notes:

Fall

Administering Faculty: Faculty of Science
Teaching Department: Psychology
Status (catalog level): Active

PSYC 560
Credit Weight: 3
Transcript Title: Machine Lrng Tools: Psychology
Calendar Title: Machine Learning Tools in Psychology
Description:
An overview of various methods for understanding and predicting complex and often large datasets, which have been developed in machine learning and statistics. It focuses on the conceptual underpinnings of popular supervised and unsupervised learning methods and the applications of the methods to various datasets from psychology and closely related disciplines (e.g. neuroscience, consumer behaviour, psychiatry) using existing software packages for the methods.

Notes:
1. Students who have taken COMP 202 or COMP 204 and who have taken freshman linear algebra and calculus might instead consider taking COMP 551
2. Students in both psychology and computer science are strongly encouraged to take COMP 551 over PSYC 560.
Open to U2 students or above. Not open to students who have taken or are taking COMP 551.
Prerequisites: PSYC 305

PSYC 562
Credit Weight: 3
Transcript Title: Measurement of Psych Processes
Calendar Title: Measurement of Psychological Processes
Description:
Intermediate level theory and methods for the measurement of latent variables in psychology and related fields. In-depth coverage of theories of validity and psychometrics as applied in psychology. Introduction to quantitative methods for scale development, use, and evaluation. Discussion of current topics and challenges in psychological measurement and psychometrics.

Notes:
Winter
Prerequisites: PSYC 305 (or equivalent) and PSYC 406.

PSYC 601
Credit Weight: 6
Transcript Title: Master's Comprehensive
Calendar Title: Master's Comprehensive
Description:
Reference number for comprehensive examination written by all first-year graduate students.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 601D1
Credit Weight: 3
Transcript Title: Master's Comprehensive
Calendar Title: Master's Comprehensive.
Description: Reference number for comprehensive examination written by all first-year graduate students.
Notes: Students must register for both PSYC 601D1 and PSYC 601D2. No credit will be given for this course unless both PSYC 601D1 and PSYC 601D2 are successfully completed in consecutive terms. PSYC 601D1 and PSYC 601D2 together are equivalent to PSYC 601.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 601D2
Credit Weight: 3
Transcript Title: Master's Comprehensive
Calendar Title: Master's Comprehensive.
Description: See PSYC 601D1 for course description.
Notes: Prerequisite: PSYC 601D1. No credit will be given for this course unless both PSYC 601D1 and PSYC 601D2 are successfully completed in consecutive terms. PSYC 601D1 and PSYC 601D2 together are equivalent to PSYC 601.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 615D1
Credit Weight: 3
Transcript Title: Diagnostic Methods (Children)
Calendar Title: Diagnostic Methods (Children).
Description: A review of diagnostic methods used with children.
Notes: Students must register for both PSYC 615D1 and PSYC 615D2. No credit will be given for this course unless both PSYC 615D1 and PSYC 615D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 615D2
Credit Weight: 3
Transcript Title: Diagnostic Methods (Children)
Calendar Title: Diagnostic Methods (Children).
Description: See PSYC 615D1 for course description.
Notes: Prerequisite: PSYC 615D1. No credit will be given for this course unless both PSYC 615D1 and PSYC 615D2 are successfully completed in consecutive terms. PSYC 615D1 and PSYC 615D2 together are equivalent to PSYC 601.
successfully completed in consecutive terms

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Psychology  
**Status (catalog level)**: Active

**PSYC 616D1**  
**Credit Weight**: 1.5  
**Transcript Title**: Practicum - Child Diagnostics  
**Calendar Title**: Practicum - Child Diagnostics.  
**Description**:  
A practicum of child diagnostics.  
**Notes**:  
Students must register for both PSYC 616D1 and PSYC 616D2  
No credit will be given for this course unless both PSYC 616D1 and PSYC 616D2 are successfully completed in consecutive terms  

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Psychology  
**Status (catalog level)**: Inactive

**PSYC 616D2**  
**Credit Weight**: 1.5  
**Transcript Title**: Practicum - Child Diagnostics  
**Calendar Title**: Practicum - Child Diagnostics.  
**Description**:  
See PSYC 616D1 for course description.  
**Notes**:  
Prerequisite: PSYC 616D1  
No credit will be given for this course unless both PSYC 616D1 and PSYC 616D2 are successfully completed in consecutive terms  

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Psychology  
**Status (catalog level)**: Inactive

**PSYC 617D1**  
**Credit Weight**: 1.5  
**Transcript Title**: Diagnostic Methods (Adults)  
**Calendar Title**: Diagnostic Methods (Adults).  
**Description**:  
A review of diagnostic methods used with adults.  
**Notes**:  
Students must register for both PSYC 617D1 and PSYC 617D2  
No credit will be given for this course unless both PSYC 617D1 and PSYC 617D2 are successfully completed in consecutive terms  
PSYC 617D1 and PSYC 617D2 together are equivalent to PSYC 617  

**Administering Faculty**: Graduate Studies  
**Teaching Department**: Psychology  
**Status (catalog level)**: Active

**PSYC 617D2**  
**Credit Weight**: 1.5  
**Transcript Title**: Diagnostic Methods (Adults)  
**Calendar Title**: Diagnostic Methods (Adults).  
**Description**:  
See PSYC 617D1 for course description.  
**Notes**:  
Prerequisite: PSYC 617D1  
No credit will be given for this course unless both PSYC 617D1 and PSYC 617D2 are
PSYC 617D1 and PSYC 617D2 together are equivalent to PSYC 617

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 618D1**

**Credit Weight:** 1.5

**Transcript Title:** Practicum - Adult Diagnostics

**Calendar Title:** Practicum - Adult Diagnostics.

**Description:**
A practicum of adult diagnostics.

**Notes:**
Students must register for both PSYC 618D1 and PSYC 618D2
No credit will be given for this course unless both PSYC 618D1 and PSYC 618D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 618D2**

**Credit Weight:** 1.5

**Transcript Title:** Practicum - Adult Diagnostics

**Calendar Title:** Practicum - Adult Diagnostics.

**Description:**
See PSYC 618D1 for course description.

**Notes:**
Prerequisite: PSYC 618D1
No credit will be given for this course unless both PSYC 618D1 and PSYC 618D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 620**

**Credit Weight:** 6

**Transcript Title:** Practicum in Psychotherapy

**Calendar Title:** Practicum in Psychotherapy.

**Description:**
A professional training course including dealing with patients under supervision, and a "case conference" seminar.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychology

**Status (catalog level):** Active

**PSYC 620D1**

**Credit Weight:** 3

**Transcript Title:** Practicum in Psychotherapy

**Calendar Title:** Practicum in Psychotherapy.

**Description:**
A professional training course including dealing with patients under supervision, and a "case conference" seminar.

**Notes:**
Students must register for both PSYC 620D1 and PSYC 620D2
No credit will be given for this course unless both PSYC 620D1 and PSYC 620D2 are successfully completed in consecutive terms

**Administering Faculty:** Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 620D2
Credit Weight: 3
Transcript Title: Practicum in Psychotherapy
Calendar Title: Practicum in Psychotherapy.
Description: See PSYC 620D1 for course description.
Notes: Prerequisite: PSYC 620D1
No credit will be given for this course unless both PSYC 620D1 and PSYC 620D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 625
Credit Weight: 3
Transcript Title: Research: Clinical Psychology
Calendar Title: Research: Clinical Psychology.
Description: Research in clinical psychology.
Notes: Summer
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 625D1
Credit Weight: 1.5
Transcript Title: Research: Clinical Psychology
Calendar Title: Research: Clinical Psychology.
Description: Research in clinical psychology.
Notes: Students must register for both PSYC 625D1 and PSYC 625D2
No credit will be given for this course unless both PSYC 625D1 and PSYC 625D2 are successfully completed in consecutive terms
PSYC 625D1 and PSYC 625D2 together are equivalent to PSYC 625
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 625D2
Credit Weight: 1.5
Transcript Title: Research: Clinical Psychology
Calendar Title: Research: Clinical Psychology.
Description: See PSYC 625D1 for course description.
Notes: Prerequisite: PSYC 625D1
No credit will be given for this course unless both PSYC 625D1 and PSYC 625D2 are successfully completed in consecutive terms
PSYC 625D1 and PSYC 625D2 together are equivalent to PSYC 625
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 630
Credit Weight: 3
Transcript Title: Psychopathology
Calendar Title: Psychopathology.
Description:
Review of major types of psychopathology with emphasis on research findings.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 641
Credit Weight: 3
Transcript Title: Behaviour Deviations 1
Calendar Title: Behaviour Deviations 1.
Description:
Theory and research evidence pertaining to process and outcome in individual psychotherapy, including humanistic, psychodynamic, and cognitive-behavioural approaches.
Notes:
Restriction: Not open to students who have taken PSYC 641D1, PSYC 641D2.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 642
Credit Weight: 3
Transcript Title: Behaviour Deviations 2
Calendar Title: Behaviour Deviations 2.
Description:
Theory and research evidence pertaining to process and outcome in couple, family, and group psychotherapy.
Notes:
Restriction: Not open to students who have taken PSYC 641D1, PSYC 641D2.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 650
Credit Weight: 3
Transcript Title: Advanced Statistics 1
Calendar Title: Advanced Statistics 1.
Description:
A course in advanced statistics with specialization in experimental design.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 651
Credit Weight: 3
Transcript Title: Advanced Statistics 2
Calendar Title: Advanced Statistics 2.
Description:
A course in advanced statistics with specialization in multivariate techniques.
Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 660**  
Credit Weight: 6  
Transcript Title: Psychology Theory  
Calendar Title: Psychology Theory.  
Description: Professors representing the various research areas within the Department discuss critical issues and developments within their fields of expertise.  

Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 660D1**  
Credit Weight: 3  
Transcript Title: Psychology Theory  
Calendar Title: Psychology Theory.  
Description: Professors representing the various research areas within the Department discuss critical issues and developments within their fields of expertise.  
Notes: Students must register for both PSYC 660D1 and PSYC 660D2  
No credit will be given for this course unless both PSYC 660D1 and PSYC 660D2 are successfully completed in consecutive terms  

Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 660D2**  
Credit Weight: 3  
Transcript Title: Psychology Theory  
Calendar Title: Psychology Theory.  
Description: See PSYC 660D1 for course description.  
Notes: Prerequisite: PSYC 660D1  
No credit will be given for this course unless both PSYC 660D1 and PSYC 660D2 are successfully completed in consecutive terms  

Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active

**PSYC 661**  
Credit Weight: 3  
Transcript Title: Psychology Theory (IPN)  
Calendar Title: Psychology Theory (Integrative Program in Neuroscience).  
Description: Professors representing the various research areas within the Department to discuss critical issues and developments within their fields of expertise.  
Notes: Restriction(s): This course is restricted to students in the Integrative Program in Neuroscience and Psychology.  
Administering Faculty: Graduate Studies  
Teaching Department: Psychology
Status (catalog level): Active

PSYC 690
Credit Weight: 15
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description: Development of research topic, study and review of previous literature, preliminary experimental and/or theoretical thesis research.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 690D1
Credit Weight: 7.5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description: Development of research topic, study and review of previous literature, preliminary experimental and/or theoretical thesis research.
Notes: Students must register for both PSYC 690D1 and PSYC 690D2
No credit will be given for this course unless both PSYC 690D1 and PSYC 690D2 are successfully completed in consecutive terms
PSYC 690D1 and PSYC 690D2 together are equivalent to PSYC 690
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 690D2
Credit Weight: 7.5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description: See PSYC 690D1 for course description.
Notes: Prerequisite: PSYC 690D1
No credit will be given for this course unless both PSYC 690D1 and PSYC 690D2 are successfully completed in consecutive terms
PSYC 690D1 and PSYC 690D2 together are equivalent to PSYC 690
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 690J1
Credit Weight: 5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description: Development of research topic, study and review of previous literature, preliminary experimental and/or theoretical thesis research.
Notes: Students must also register for PSYC 690J2 and PSYC 690J3
No credit will be given for this course unless PSYC 690J1, PSYC 690J2 and PSYC 690J3 are all successfully completed in consecutive terms
PSYC 690J1, PSYC 690J2 and PSYC 690J3 together are equivalent to PSYC 690
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Inactive

PSYC 690J2
Credit Weight: 5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description:
See PSYC 690J1 for course description.
Notes:
Prerequisite: PSYC 690J1
Students must also register for PSYC 690J3
No credit will be given for this course unless PSYC 690J1, PSYC 690J2 and PSYC 690J3 are all successfully completed in consecutive terms
PSYC 690J1, PSYC 690J2 and PSYC 690J3 together are equivalent to PSYC 690

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Inactive

PSYC 690J3
Credit Weight: 5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description:
See PSYC 690J1 for course description.
Notes:
Prerequisite: PSYC 690J2
No credit will be given for this course unless PSYC 690J1, PSYC 690J2 and PSYC 690J3 are all successfully completed in consecutive terms
PSYC 690J1, PSYC 690J2 and PSYC 690J3 together are equivalent to PSYC 690

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Inactive

PSYC 690N1
Credit Weight: 7.5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description:
Development of research topic, study and review of previous literature, preliminary experimental and/or theoretical thesis research.
Notes:
Students must also register for PSYC 690N2
No credit will be given for this course unless both PSYC 690N1 and PSYC 690N2 are successfully completed in a twelve month period
PSYC 690N1 and PSYC 690N2 together are equivalent to PSYC 690

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 690N2
Credit Weight: 7.5
Transcript Title: Masters Research 1
Calendar Title: Masters Research 1.
Description:
See PSYC 690N1 for course description.

Notes:
Prerequisite: PSYC 690N1
No credit will be given for this course unless both PSYC 690N1 and PSYC 690N2 are successfully completed in a twelve month period
PSYC 690N1 and PSYC 690N2 together are equivalent to PSYC 690
行政管理学院:  Graduate Studies
教学部门: Psychology
状态 (目录级别): Inactive

PSYC 699
学分: 12
课程名称: Masters Research 2
课程名称: Masters Research 2.
课程描述: Continuation of PSYC 690. Further experimental and/or theoretical research. Data analysis (as needed). Writing of thesis.
行政管理学院:  Graduate Studies
教学部门: Psychology
状态 (目录级别): Active

PSYC 699D1
学分: 6
课程名称: Masters Research 2
课程名称: Masters Research 2.
课程描述: Continuation of PSYC 690. Further experimental and/or theoretical research. Data analysis (as needed). Writing of thesis.
注释: Students must register for both PSYC 699D1 and PSYC 699D2
No credit will be given for this course unless both PSYC 699D1 and PSYC 699D2 are successfully completed in consecutive terms
PSYC 699D1 and PSYC 699D2 together are equivalent to PSYC 699
行政管理学院:  Graduate Studies
教学部门: Psychology
状态 (目录级别): Active

PSYC 699D2
学分: 6
课程名称: Masters Research 2
课程名称: Masters Research 2.
课程描述: See PSYC 699D1 for course description.
注释: Prerequisite: PSYC 699D1
No credit will be given for this course unless both PSYC 699D1 and PSYC 699D2 are successfully completed in consecutive terms
PSYC 699D1 and PSYC 699D2 together are equivalent to PSYC 699
行政管理学院:  Graduate Studies
教学部门: Psychology
状态 (目录级别): Active

PSYC 699N1
学分: 6
课程名称: Masters Research 2
课程名称: Masters Research 2.
Description:
Continuation of PSYC 690. Further experimental and/or theoretical research. Data analysis (as needed). Writing of thesis.

Notes:
Students must also register for PSYC 699N2
No credit will be given for this course unless both PSYC 699N1 and PSYC 699N2 are successfully completed in a twelve month period
PSYC 699N1 and PSYC 699N2 together are equivalent to PSYC 699

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 699N2
Credit Weight: 6
Transcript Title: Masters Research 2
Calendar Title: Masters Research 2.
Description:
See PSYC 699N1 for course description.

Notes:
Prerequisite: PSYC 699N1
No credit will be given for this course unless both PSYC 699N1 and PSYC 699N2 are successfully completed in a twelve month period
PSYC 699N1 and PSYC 699N2 together are equivalent to PSYC 699

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 701
Credit Weight: 0
Transcript Title: Doctoral Comprehensive Exam
Calendar Title: Doctoral Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 701D1
Credit Weight: 0
Transcript Title: Doctoral Comprehensive Exam
Calendar Title: Doctoral Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Notes:
Students must register for both PSYC 701D1 and PSYC 701D2
No credit will be given for this course unless both PSYC 701D1 and PSYC 701D2 are successfully completed in consecutive terms
PSYC 701D1 and PSYC 701D2 together are equivalent to PSYC 701

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 701D2
Credit Weight: 0
Transcript Title: Doctoral Comprehensive Exam  
Calendar Title: Doctoral Comprehensive Examination.  
Description:  
See PSYC 701D1 for course description.  
Notes:  
Prerequisite: PSYC 701D1  
No credit will be given for this course unless both PSYC 701D1 and PSYC 701D2 are successfully completed in consecutive terms  
PSYC 701D1 and PSYC 701D2 together are equivalent to PSYC 701  
Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active  

PSYC 706  
Credit Weight: 15  
Transcript Title: Clinical Practicum  
Calendar Title: Clinical Practicum.  
Description:  
Clinical experience in the hospital setting and/or the community integrating concepts related to psychology.  
Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active  

PSYC 706D1  
Credit Weight: 7.5  
Transcript Title: Clinical Practicum  
Calendar Title: Clinical Practicum.  
Description:  
Clinical experience in the hospital setting and/or the community integrating concepts related to psychology.  
Notes:  
Students must register for both PSYC 706D1 and PSYC 706D2  
No credit will be given for this course unless both PSYC 706D1 and PSYC 706D2 are successfully completed in consecutive terms  
PSYC 706D1 and PSYC 706D2 together are equivalent to PSYC 706  
Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active  

PSYC 706D2  
Credit Weight: 7.5  
Transcript Title: Clinical Practicum  
Calendar Title: Clinical Practicum.  
Description:  
See PSYC 706D1 for course description.  
Notes:  
Prerequisite: PSYC 706D1  
No credit will be given for this course unless both PSYC 706D1 and PSYC 706D2 are successfully completed in consecutive terms  
PSYC 706D1 and PSYC 706D2 together are equivalent to PSYC 706  
Administering Faculty: Graduate Studies  
Teaching Department: Psychology  
Status (catalog level): Active  

PSYC 706J1
Credit Weight: 5
Transcript Title: Clinical Practicum
Calendar Title: Clinical Practicum.
Description:
Clinical experience in the hospital setting and/or the community integrating concepts related to psychology.
Notes:
Students must also register for PSYC 706J2 and PSYC 706J3
No credit will be given for this course unless PSYC 706J1, PSYC 706J2 and PSYC 706J3 are all successfully completed in consecutive terms
PSYC 706J1, PSYC 706J2 and PSYC 706J3 together are equivalent to PSYC 706
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 706J2
Credit Weight: 5
Transcript Title: Clinical Practicum
Calendar Title: Clinical Practicum.
Description:
See PSYC 706J1 for course description.
Notes:
Prerequisite: PSYC 706J1
Students must also register for PSYC 706J3
No credit will be given for this course unless PSYC 706J1, PSYC 706J2 and PSYC 706J3 are all successfully completed in consecutive terms
PSYC 706J1, PSYC 706J2 and PSYC 706J3 together are equivalent to PSYC 706
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 706J3
Credit Weight: 5
Transcript Title: Clinical Practicum
Calendar Title: Clinical Practicum.
Description:
See PSYC 706J1 for course description.
Notes:
Prerequisite: PSYC 706J2
Students must also register for PSYC 706J3
No credit will be given for this course unless PSYC 706J1, PSYC 706J2 and PSYC 706J3 are all successfully completed in consecutive terms
PSYC 706J1, PSYC 706J2 and PSYC 706J3 together are equivalent to PSYC 706
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 707
Credit Weight: 15
Transcript Title: Clinical Internship 1
Calendar Title: Clinical Internship 1.
Description:
Clinical internship in a host institution/hospital.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active
PSYC 707D1
Credit Weight: 7.5
Transcript Title: Clinical Internship 1
Calendar Title: Clinical Internship 1.
Description: Clinical internship in a host institution/hospital.
Notes: Students must register for both PSYC 707D1 and PSYC 707D2
No credit will be given for this course unless both PSYC 707D1 and PSYC 707D2 are successfully completed in consecutive terms
PSYC 707D1 and PSYC 707D2 together are equivalent to PSYC 707
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 707D2
Credit Weight: 7.5
Transcript Title: Clinical Internship 1
Calendar Title: Clinical Internship 1.
Description: See PSYC 707D1 for course description.
Notes: Prerequisite: PSYC 707D1
No credit will be given for this course unless both PSYC 707D1 and PSYC 707D2 are successfully completed in consecutive terms
PSYC 707D1 and PSYC 707D2 together are equivalent to PSYC 707
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 707J1
Credit Weight: 5
Transcript Title: Clinical Internship 1
Calendar Title: Clinical Internship 1.
Description: Clinical internship in a host institution/hospital.
Notes: Students must also register for PSYC 707J2 and PSYC 707J3
No credit will be given for this course unless PSYC 707J1, PSYC 707J2 and PSYC 707J3 are all successfully completed in consecutive terms
PSYC 707J1, PSYC 707J2 and PSYC 707J3 together are equivalent to PSYC 707
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 707J2
Credit Weight: 5
Transcript Title: Clinical Internship 1
Calendar Title: Clinical Internship 1.
Description: See PSYC 707J1 for course description.
Notes: Prerequisite: PSYC 707J1
Students must also register for PSYC 707J3
No credit will be given for this course unless PSYC 707J1, PSYC 707J2 and PSYC
707J3 are all successfully completed in consecutive terms
PSYC 707J1, PSYC 707J2 and PSYC 707J3 together are equivalent to PSYC 707

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 707J3
Credit Weight: 5
Transcript Title: Clinical Internship 1
Calendar Title: Clinical Internship 1.
Description:
See PSYC 707J1 for course description.
Notes:
Prerequisite: PSYC 707J2
No credit will be given for this course unless PSYC 707J1, PSYC 707J2 and PSYC 707J3 are all successfully completed in consecutive terms
PSYC 707J1, PSYC 707J2 and PSYC 707J3 together are equivalent to PSYC 707

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 708
Credit Weight: 15
Transcript Title: Clinical Internship 2
Calendar Title: Clinical Internship 2.
Description:
Clinical internship in a host institution/hospital.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 708D1
Credit Weight: 7.5
Transcript Title: Clinical Internship 2
Calendar Title: Clinical Internship 2.
Description:
Clinical internship in a host institution/hospital.
Notes:
Students must register for both PSYC 708D1 and PSYC 708D2
No credit will be given for this course unless both PSYC 708D1 and PSYC 708D2 are successfully completed in consecutive terms
PSYC 708D1 and PSYC 708D2 together are equivalent to PSYC 708

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 708D2
Credit Weight: 7.5
Transcript Title: Clinical Internship 2
Calendar Title: Clinical Internship 2.
Description:
See PSYC 708D1 for course description.
Notes:
Prerequisite: PSYC 708D1
No credit will be given for this course unless both PSYC 708D1 and PSYC 708D2 are successfully completed in consecutive terms
PSYC 708D1 and PSYC 708D2 together are equivalent to PSYC 708
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 708J1**
Credit Weight: 5
Transcript Title: Clinical Internship 2
Calendar Title: Clinical Internship 2.
Description: Clinical internship in a host institution/hospital.
Notes: Students must also register for PSYC 708J2 and PSYC 708J3
No credit will be given for this course unless PSYC 708J1, PSYC 708J2 and PSYC 708J3 are all successfully completed in consecutive terms
PSYC 708J1, PSYC 708J2 and PSYC 708J3 together are equivalent to PSYC 708

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 708J2**
Credit Weight: 5
Transcript Title: Clinical Internship 2
Calendar Title: Clinical Internship 2.
Description: See PSYC 708J1 for course description.
Notes: Prerequisite: PSYC 708J1
Students must also register for PSYC 708J3
No credit will be given for this course unless PSYC 708J1, PSYC 708J2 and PSYC 708J3 are all successfully completed in consecutive terms
PSYC 708J1, PSYC 708J2 and PSYC 708J3 together are equivalent to PSYC 708

**PSYC 708J3**
Credit Weight: 5
Transcript Title: Clinical Internship 2
Calendar Title: Clinical Internship 2.
Description: See PSYC 708J1 for course description.
Notes: Prerequisite: PSYC 708J2
No credit will be given for this course unless PSYC 708J1, PSYC 708J2 and PSYC 708J3 are all successfully completed in consecutive terms
PSYC 708J1, PSYC 708J2 and PSYC 708J3 together are equivalent to PSYC 708

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 709**
Credit Weight: 2
Transcript Title: Language Acquisition Issues 1
Calendar Title: Language Acquisition Issues 1.
Description: Advanced area seminar on a topic in language acquisition issues.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 712
Credit Weight: 3
Transcript Title: Compar&Physiological Psych 3
Calendar Title: Comparative and Physiological Psychology 3.
Description: Advanced area seminar on a topic in comparative and physiological psychology.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 715
Credit Weight: 3
Transcript Title: Compar&Physiological Psych 6
Calendar Title: Comparative and Physiological Psychology 6.
Description: Advanced area seminar on a topic in comparative and physiological psychology.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 722
Credit Weight: 3
Transcript Title: Personality&Social Psychology
Calendar Title: Personality and Social Psychology.
Description: Advanced area seminar on a topic in personality and social psychology.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 723
Credit Weight: 3
Transcript Title: Personality&Social Psychology
Calendar Title: Personality and Social Psychology.
Description: Advanced area seminar on a topic in comparative and physiological psychology.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 724
Credit Weight: 3
Transcript Title: Personality&Social Psychology
Calendar Title: Personality and Social Psychology.
Description: Advanced area seminar on a topic in comparative and physiological psychology.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 725
Credit Weight: 3
Transcript Title: Personality & Social Psychology
Calendar Title: Personality and Social Psychology.
Description: Advanced area seminar on a topic in comparative and physiological psychology.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 727
Credit Weight: 3
Transcript Title: Personality & Social Psychology
Calendar Title: Personality and Social Psychology.
Description: Advanced area seminar on a topic in comparative and physiological psychology.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 728
Credit Weight: 3
Transcript Title: Ethics and Professional Issues
Calendar Title: Ethics and Professional Issues.
Description: Clinical psychology as a profession, with particular emphasis on ethical issues.
Notes: Restriction: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 729
Credit Weight: 3
Transcript Title: Theory of Assessment
Calendar Title: Theory of Assessment.
Description: Issues related to psychological measurement and assessment.
Notes: Restriction: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 730
Credit Weight: 3
Transcript Title: Clinical Neuroscience Methods
Calendar Title: Clinical Neuroscience Methods.
Description: Techniques used in the study of biological aspects of clinical disorders, including methods in epidemiology, course and outcome, behavioural and molecular genetics, neuroimaging, psychophysiology and psychopharmacology.
Notes: Restriction: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active
PSYC 732
Credit Weight: 3
Transcript Title: Clinical Psychology 1
Calendar Title: Clinical Psychology 1.
Description:
Review of clinical psychology.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 732D1
Credit Weight: 1.5
Transcript Title: Clinical Psychology 1
Calendar Title: Clinical Psychology 1.
Description:
Review of clinical psychology.
Notes:
Students must register for both PSYC 732D1 and PSYC 732D2
No credit will be given for this course unless both PSYC 732D1 and PSYC 732D2 are successfully completed in consecutive terms
PSYC 732D1 and PSYC 732D2 together are equivalent to PSYC 732
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 732D2
Credit Weight: 1.5
Transcript Title: Clinical Psychology 1
Calendar Title: Clinical Psychology 1.
Description:
Review of clinical psychology.
Notes:
Prerequisite: PSYC 732D1
No credit will be given for this course unless both PSYC 732D1 and PSYC 732D2 are successfully completed in consecutive terms
PSYC 732D1 and PSYC 732D2 together are equivalent to PSYC 732
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 733
Credit Weight: 3
Transcript Title: Clinical Psychology 2
Calendar Title: Clinical Psychology 2.
Description:
Review of clinical psychology.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 733D1
Credit Weight: 1.5
Transcript Title: Clinical Psychology 2
Calendar Title: Clinical Psychology 2.
Description:
Review of clinical psychology.

Notes:
Students must register for both PSYC 733D1 and PSYC 733D2
No credit will be given for this course unless both PSYC 733D1 and PSYC 733D2 are successfully completed in consecutive terms
PSYC 733D1 and PSYC 733D2 together are equivalent to PSYC 733

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 733D2
Credit Weight: 1.5
Transcript Title: Clinical Psychology 2
Calendar Title: Clinical Psychology 2.
Description: Review of clinical psychology.
Notes: Prerequisite: PSYC 733D1
No credit will be given for this course unless both PSYC 733D1 and PSYC 733D2 are successfully completed in consecutive terms
PSYC 733D1 and PSYC 733D2 together are equivalent to PSYC 733

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 734
Credit Weight: 3
Transcript Title: Developmental Psych & Language
Calendar Title: Developmental Psychology and Language.
Description: Advanced area seminar on a topic in developmental psychology and language
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 735
Credit Weight: 3
Transcript Title: Developmental Psych & Language
Calendar Title: Developmental Psychology and Language.
Description: Advanced area seminar on a topic in developmental psychology and language.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 736
Credit Weight: 3
Transcript Title: Developmental Psych & Language
Calendar Title: Developmental Psychology and Language.
Description: Advanced area seminar on a topic in developmental psychology and language.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 740
Credit Weight: 3
Transcript Title: Perception & Cognition
Calendar Title: Perception and Cognition.
Description: Advanced area seminar on a topic in perception and cognition.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 741
Credit Weight: 3
Transcript Title: Perception & Cognition
Calendar Title: Perception and Cognition.
Description: Advanced area seminar on a topic in perception and cognition.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 742
Credit Weight: 3
Transcript Title: Perception & Cognition
Calendar Title: Perception and Cognition.
Description: Advanced area seminar on a topic in perception and cognition.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 743
Credit Weight: 3
Transcript Title: Perception & Cognition
Calendar Title: Perception and Cognition.
Description: Advanced area seminar on a topic in perception and cognition.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 744
Credit Weight: 3
Transcript Title: Perception & Cognition
Calendar Title: Perception and Cognition.
Description: Advanced area seminar on a topic in perception and cognition.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 746
Credit Weight: 3
Transcript Title: Quantitative & Indiv Difference
Calendar Title: Quantitative and Individual Differences.
Description: Advanced area seminar on a topic in quantitative and individual difference.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 747**
Credit Weight: 3
Transcript Title: Quantitative & Indiv Difference
Calendar Title: Quantitative and Individual Differences.
Description:
Advanced area seminar on a topic in quantitative and individual difference.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 748**
Credit Weight: 3
Transcript Title: Quantitative & Indiv Difference
Calendar Title: Quantitative and Individual Differences.
Description:
Advanced area seminar on a topic in quantitative and individual difference.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 749**
Credit Weight: 3
Transcript Title: Quantitative & Indiv Difference
Calendar Title: Quantitative and Individual Differences.
Description:
Advanced area seminar on a topic in quantitative and individual difference.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 750**
Credit Weight: 3
Transcript Title: Applied Bayesian Statistics
Calendar Title: Applied Bayesian Statistics.
Description:
Bayesian statistics, emphasizing applications to commonly encountered models in the social sciences (regression analysis, mediation and moderation, and latent variable models). Focus will be on differences between classical and Bayesian statistics, Bayesian analyses for several commonly used models in psychology, reporting results of a Bayesian analysis, and critical evaluation of methods and results sections of papers in psychology journals that used Bayesian analysis.
Notes:
Prerequisite: PSYC 651
Restrictions: Open only to graduate students in Psychology. Not open to students who have taken PSYC 747 when the topic was "Applied Bayesian Statistics".
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

**PSYC 752D1**
Credit Weight: 3
Transcript Title: Psychotherapy & Behaviour Change
Calendar Title: Psychotherapy and Behaviour Change.
Description:
A practice-oriented course. Staff and students discuss current cases being treated with a variety of psychotherapeutic and behavioural change techniques.

Notes:
Students must register for both PSYC 752D1 and PSYC 752D2
No credit will be given for this course unless both PSYC 752D1 and PSYC 752D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 752D2
Credit Weight: 3
Transcript Title: Psychotherapy & Behaviour Change
Calendar Title: Psychotherapy and Behaviour Change.
Description:
See PSYC 752D1 for course description.
Notes:
Prerequisite: PSYC 752D1
No credit will be given for this course unless both PSYC 752D1 and PSYC 752D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 753
Credit Weight: 3
Transcript Title: Health Psychology Seminar 1
Calendar Title: Health Psychology Seminar 1.
Description:
Advanced area seminar on a topic in health psychology.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 780
Credit Weight: 6
Transcript Title: Sp Topics in Clinical Psych
Calendar Title: Special Topics in Clinical Psychology.
Description:
An additional elective course available to students when and where appropriate. This may be in areas such as neurophysiology, quantitative methods, learning problems, etc.

Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 781
Credit Weight: 3
Transcript Title: BNS Special Topics
Calendar Title: Behavioural Neuroscience Special Topics.
Description:
Behavioural neuroscience (BNS) emphasizes recent advances in both theory and methodology aimed at describing neurobiological processes underpinning behaviour and cognition in non-human and human animals. This team-taught lecture course will survey multiple topics within the field of BNS and is intended to provide students...
with a broad theoretical, methodological, and empirical foundation within the discipline.

Notes:
Restrictions: Open to all McGill graduate students with permission of the instructor. Psychology graduate students will have enrollment priority.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 782
Credit Weight: 3
Transcript Title: BNS Advanced Seminar
Calendar Title: Behavioural Neuroscience Advanced Seminar.
Description:
Behavioural neuroscience (BNS) emphasizes recent advances in both theory and methodology aimed at describing neurobiological processes underpinning behaviour and cognition in non-human and human animals. This seminar course will focus on a specific topic within the field of BNS, and is thus intended to provide students with an in-depth understanding at the theoretical, methodological, and empirical levels.
Notes:
Prerequisite: PSYC 781
Restrictions: Open to all McGill graduate students with permission of the instructor. Psychology graduate students will have enrollment priority.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 797
Credit Weight: 3
Transcript Title: Teaching Methods: Psychology 1
Calendar Title: Teaching Methods: Psychology 1.
Description:
Development of teaching skills for graduate students in psychology under the supervision of academic staff. Relevant skills: stating objectives and sequencing content; preparation and delivery of lectures; running discussion and laboratory sessions; techniques for preparing, marking and assessing evaluation instruments; obtaining feedback on teaching skills.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active

PSYC 798
Credit Weight: 3
Transcript Title: Teaching Methods: Psychology 2
Calendar Title: Teaching Methods: Psychology 2.
Description:
Continuation of PSYC 797.
Administering Faculty: Graduate Studies
Teaching Department: Psychology
Status (catalog level): Active
PSYT 199
Credit Weight: 3
Transcript Title: FYS: Mental Illness & The Brain
Calendar Title: FYS: Mental Illness and the Brain.
Description: This course will introduce the student to the fundamentals of neuroscience, and then use these principles to illustrate recent advances made on the biological causes of, and treatments for, mental disorders with a strong biological component: schizophrenia, depression, mania, anxiety disorders, obsessive-compulsive disorder, Alzheimer's and Parkinson's diseases and alcohol and drug abuse.
Notes: 1 hour lecture and 2 hours seminar weekly
Restriction: Open only to newly admitted students in U0 or U1, who may take only one FYS. Students who register for more than one will be obliged to withdraw from all but one of them.
Maximum 25. No prerequisites
Administrating Faculty: Faculty of Science
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 301
Credit Weight: 3
Transcript Title: Issues in Drug Dependence
Calendar Title: Issues in Drug Dependence.
Description: The phenomenology and epidemiology of the use and abuse of alcohol, nicotine, opiates, stimulants, sedatives and psychotomimetic agents are discussed in relation to current theoretical and experimental issues. The perspective is multidisciplinary and the intention is to develop an understanding of the nature of the issues surrounding drug dependence.
Notes: Winter
3 hours
Prerequisites: PHGY 201 or PHGY 209 or PHGY 210 or PSYC 100 or BIOL 201 or permission of instructor
Administrating Faculty: Faculty of Science
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 400D1
Credit Weight: 3
Transcript Title: Research Project in Psychiatry
Calendar Title: Research Project in Psychiatry.
Description: Individually supervised research projects in either fundamental or clinical psychiatry, with a final written report.
Notes: Prerequisites: A course in biostatistics (eg. PSYC 305 or equivalent), approval of course instructor(s) and agreement of a research supervisor with appointment in Psychiatry.
Restrictions: Open to U2 and U3 undergraduates. Departmental permission required. This course cannot be taken concurrently by students enrolling for undergraduate honours thesis projects, or for the following research courses: PSYC 395, PSYC 450D1/D2, PSYC 494D1/D2, PSYC 494N1/N2, PSYC 495, except with special permission. Students must have a GPA of 3.0 to enroll.
Work done in this course cannot be used for any other course. Note: Students are
advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project/supervisor is available. Individual projects will be suggested by researchers within the psychiatry department and available through the course coordinator or alternatively students may approach professors to devise their own potential projects for approval. Students must register for both PSYT 400D1 and PSYT 400D2. No credit will be given for this course unless both PSYT 400D1 and PSYT 400D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Psychiatry  
**Status (catalog level):** Active

### PSYT 400D2
**Credit Weight:** 3  
**Transcript Title:** Research Project in Psychiatry  
**Calendar Title:** Research Project in Psychiatry.  
**Description:**  
See PSYT 400D1 for course description.  
**Notes:**  
Prerequisite: PSYT 400D1  
No credit will be given for this course unless both PSYT 400D1 and PSYT 400D2 are successfully completed in consecutive terms.

**Administering Faculty:** Faculty of Science  
**Teaching Department:** Psychiatry  
**Status (catalog level):** Active

### PSYT 401
**Credit Weight:** 8  
**Transcript Title:** Psychiatry Clerkship  
**Calendar Title:** Psychiatry Clerkship.  
**Description:**  
The psychiatry clerkship is designed to provide students with the core knowledge and skills required to understand and assist patients and families with either psychiatric illness, or overwhelming emotional distress. It also provides students with an understanding of the complex interplay between psychiatric and non-psychiatric illness, and the need to be aware of medical illness in patients presenting with psychiatric symptoms, and vice versa. Students at all training sites will receive the equivalent of 8-weeks of training in psychiatry, where they will be exposed to the principles and practice of child and adult psychiatry through their work in a variety of clinical settings, in addition to participating in core learning sessions and independent learning activities. The complementary roles of the family physician and the psychiatrist in the care of patients with mental illness will be highlighted.

**Symbols:**

**Notes:**  
Restrictions  
Open only to students enrolled in the M.D., C.M. program.  
**Administering Faculty:** Faculty of Medicine & Hlth Sci  
**Teaching Department:** Psychiatry  
**Status (catalog level):** Active

### PSYT 401D1
**Credit Weight:** 4  
**Transcript Title:** Psychiatry Clerkship  
**Calendar Title:** Psychiatry Clerkship.  
**Description:**  
The psychiatry clerkship is designed to provide students with the core knowledge
and skills required to understand and assist patients and families with either psychiatric illness, or overwhelming emotional distress. It also provides students with an understanding of the complex interplay between psychiatric and non-psychiatric illness, and the need to be aware of medical illness in patients presenting with psychiatric symptoms, and vice versa. Students at all training sites will receive the equivalent of 8-weeks of training in psychiatry, where they will be exposed to the principles and practice of child and adult psychiatry through their work in a variety of clinical settings, in addition to participating in core learning sessions and independent learning activities. The complementary roles of the family physician and the psychiatrist in the care of patients with mental illness will be highlighted.

Symbols:
Notes:
Students must register for both PSYT 401D1 and PSYT 401D2.
No credit will be given for this course unless both PSYT 401D1 and PSYT 401D2 are successfully completed in consecutive terms PSYT 401D1 and PSYT 401D2 together are equivalent to PSYT 401
Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 401D2
Credit Weight: 4
Transcript Title: Psychiatry Clerkship
Calendar Title: Psychiatry Clerkship.
Description:
See PSYT 401D1 for course description.
Symbols:
Notes:
Prerequisite: PSYT 401D1
No credit will be given for this course unless both PSYT 401D1 and PSYT 401D2 are successfully completed in consecutive terms
PSYT 401D1 and PSYT 401D2 together are equivalent to PSYT 401
Open only to students enrolled in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 455
Credit Weight: 3
Transcript Title: Neurochemistry
Calendar Title: Neurochemistry.
Description:
Covers biochemical mechanisms underlying central nervous system function. Introduces basic neuroanatomy, CNS cell types and morphology, neuronal excitability, chemically mediated transmission, glial function. Biochemistry of specific neurotransmitters, endocrine effects on brain, brain energy metabolism and cerebral ischemia (stroke). With examples, where relevant, of biochemical processes disrupted in human CNS disease.
Notes:
Winter
Prerequisite(s): BIOC 311, BIOC 312
Restriction: Not open to students who have taken BIOC 455

Administering Faculty: Faculty of Science
Teaching Department: Psychiatry
Status (catalog level): Active
PSYT 500
Credit Weight: 3
Transcript Title: Adv: Neur of Mtl Disorders
Calendar Title: Advances: Neurobiology of Mental Disorders.
Description: Current theories on the neurobiological basis of most well known mental disorders (e.g. schizophrenia, depression, anxiety, dementia). Methods and strategies in research on genetic, physiological and biochemical factors in mental illness will be discussed. Discussion will also focus on the rationale for present treatment approaches and on promising new approaches.
Notes:
Winter
3 hours
Prerequisite (Undergraduate): BIOC 212 and BIOC 311, or BIOC 312, or BIOL 200 and BIOL 201, or PHGY 311, or PSYC 308 and an upper-level biological science course with permission of the instructors, or equivalent. Basic knowledge of cellular and molecular biology is required.
Restriction: Open to U3 and graduate students only.
Restriction: Graduate Studies: strongly recommended for M.Sc. students in Psychiatry.
Administering Faculty: Faculty of Science
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 502
Credit Weight: 3
Transcript Title: Brain Evolution & Psychiatry
Calendar Title: Brain Evolution and Psychiatry.
Description: The course will focus on the transcendental importance of evolution of nervous systems for normal and pathological behaviour. Studies of allomorphic brain growth and recent evolutionary theories of brain organization as they relate to normal and abnormal behaviour will be emphasized.
Notes:
Fall
Prerequisites: BIOL 115 or equivalent as authorized by instructor
Administering Faculty: Faculty of Science
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 503
Credit Weight: 3
Transcript Title: Mental Health Services & Policy
Calendar Title: Mental Health Services and Policy.
Description: Analysis of the mental health system and its best practices.
Notes:
Note: Enrolment is limited to 14 students. The course is given in English, papers can be submitted in English or French.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 504
Credit Weight: 3
Transcript Title: Issues in Forensic Mental HLTH  
Calendar Title: Issues In Forensic Mental Health.  
Description:  
The course will review current forensic mental health issues at the various stages of the criminal justice process, clinical and behavioural specificities and vulnerabilities of special populations of offenders. It will also review risk factors for aggressive behaviour and criminality, assessment methods as well as current debates in the field of forensic mental health.  
Notes:  
Prerequisite: Special permission of instructor.  
Note: Enrolment limited to 30 students. The course will be taught in English, papers can be submitted in English or French.  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Psychiatry  
Status (catalog level): Active  

PSYT 505  
Credit Weight: 3  
Transcript Title: Neurobiology of Schizophrenia  
Calendar Title: Neurobiology of Schizophrenia.  
Description:  
Multidisciplinary issues on pathogenesis and pathophysiology of schizophrenia from molecular genetics to cognitive psychology, including current theories of the disorder based on up-to-date evidence from recent research.  
Notes:  
Office hours: After class or by appointment  
Prerequisites: PSYC 308, BIOL 306, PHGY 314 or permission of instructor  
Restriction: Open to U3 and M.Sc. students.  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Psychiatry  
Status (catalog level): Active  

PSYT 515  
Credit Weight: 3  
Transcript Title: Advanced Studies in Addiction  
Calendar Title: Advanced Studies in Addiction.  
Description:  
Critical assessment of research tools, reported data, and theoretical perspectives on drug addiction, with an emphasis on multi-factorial and inter-disciplinary approaches.  
Notes:  
Winter  
Prerequisite: PSYT 301 or permission from one of the instructors.  
Restrictions: Priority will be given to graduate students registered in Psychiatry, Psychology or Neuroscience graduate programs. Open to undergraduates who have completed PSYT 301 or an equivalent course. Undergraduates must obtain permission of the instructors before registration. Not open to students who have taken PSYT 615.  
Administering Faculty: Faculty of Medicine & Hlth Sci  
Teaching Department: Psychiatry  
Status (catalog level): Active  

PSYT 522  
Credit Weight: 3  
Transcript Title: Early Adversity,Dvlpmnt&Health  
Calendar Title: Early Adversity, Development and Health .
Description:
The concept of adversity during critical developmental periods from gestation to adolescence. Examination of neurodevelopmental mechanisms, neural pathways and plasticity leading to vulnerability and resilience. How single cell expression patterns, neuronal networks and gene association studies can inform about the biological underpinnings of adversity, the individual differences in susceptibility and how these biological mechanisms link psychopathologies to other comorbidities.

Notes:
Prerequisites: BIOL 201, BIOC 212, ANAT 212, BIOL 202, BIOL 306, BIOL 370, ANAT 322 or equivalent; permission of the instructor if prerequisites are not met.
Supplementary Calendar Info: Open to U3 undergraduate students and graduate students (MSc and PhD level). Limit of 25 students. A knowledge of basic mechanisms of biology, physiology and anatomy as covered by respective undergraduate courses is expected and required to succeed in this course. Permission from the responsible instructor is required to register if course pre-requisites are not met. Priority will be given to students having the course pre-requisites and grades higher than C in these courses (B). Course is not recorded.

Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Psychiatry
Status (catalog level): Active
Notes:
Prerequisite: A course in research methods. Or special permission by the course instructor.
Restriction: Not open to students who have taken PSYC 630 or equivalent.

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 625
Credit Weight: 3
Transcript Title: Qual Research in Health Care
Calendar Title: Qualitative Research in Health Care.
Description:
Discussion and practice of qualitative methodologies for conducting rigorous and reflective qualitative research projects in health care sector including ethnographic fieldwork and community interviews.

Notes:
Restriction(s): Not open to students who are taking or have taken FMED 625. Open to students with Bachelor's degrees in Health or Social Science.
Course will be given in English. Course work may be submitted in English or French.

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 630
Credit Weight: 3
Transcript Title: Statistics for Neurosciences
Calendar Title: Statistics for Neurosciences.
Description:
Statistics needed for analysing the types of data generated in a laboratory setting, with emphasis on the neurosciences, will be covered. Hypothesis testing, parametric and non-parametric statistics will be studied with a practical approach, using data generated by the students. Computer analysis will be introduced.

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 633
Credit Weight: 3
Transcript Title: Soc. & Cult. Research Methods
Calendar Title: Social and Cultural Research Methods.
Description:
Introduction to the various research methods commonly used in social and cultural psychiatry, including qualitative, quantitative and mixed-methods approaches, with special attention to the unique challenges of working with people with mental illness. Emphasis is placed on the following: study design, cross-cultural measurement, sampling, recruitment, execution, bias, analysis and dissemination. Classic studies in social and cultural psychiatry will be used as examples to illuminate points made. This course will be held every May as part of the Summer Program in Social and Cultural Psychiatry.

Notes:
This course will be useful for graduate students in psychiatry, social work, nursing, occupational therapy and related disciplines with an interest in mental health research from a social and cultural perspective.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Active

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**PSYT 640**

**Credit Weight:** 3

**Transcript Title:** Non-Pharmacological Clin. Trls

**Calendar Title:** Non-Pharmacological Clinical Trials.

**Description:**
This course will provide an introduction to the design, conduct, analysis, and reporting of randomized clinical trials with a focus on issues particularly important to non-pharmacological interventions (e.g., psychotherapy, care management interventions, physical therapy interventions) including blinding, intervention complexity, and intervention fidelity. Topics will include trial design and specification of a primary question; ethical considerations; randomization and stratification; sample size determination; analysis and reporting; quality and sources of bias; interpretation of results; and design alternatives, including considerations of particular relevance to trials of non-pharmacological interventions

**Notes:**
Prerequisite: Permission of instructor.
Enrollment is limited to 20 students.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Active

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**PSYT 682**

**Credit Weight:** 3

**Transcript Title:** Psychosocial Issues of Disease

**Calendar Title:** Psychosocial Issues of Disease.

**Description:**
The course objective is to provide students with population-level perspectives on psychosocial aspects of chronic health conditions, highlighting the interactions between mental health, social environment, and physical health. Emphasis will be placed on integrating the following topics: affective symptoms and disorders, community factors, lifestyle behaviours, disability and quality of life, and the onset and course of chronic diseases.

**Notes:**
Prerequisite: Must be registered in an MSc or PhD program.
Restriction: Permission of instructors.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Active

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**PSYT 691**

**Credit Weight:** 12

**Transcript Title:** Thesis Research 1

**Calendar Title:** Thesis Research 1.

**Description:**
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry
Status (catalog level): Active

PSYT 691N1
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: Students must also register for PSYT 691N2
No credit will be given for this course unless both PSYT 691N1 and PSYT 691N2 are successfully completed in a twelve month period
PSYT 691N1 and PSYT 691N2 together are equivalent to PSYT 691
Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 691N2
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: See PSYT 691N1 for course description.
Notes: Prerequisite: PSYT 691N1
No credit will be given for this course unless both PSYT 691N1 and PSYT 691N2 are successfully completed in a twelve month period
PSYT 691N1 and PSYT 691N2 together are equivalent to PSYT 691
Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 692
Credit Weight: 12
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 692N1
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: Students must also register for PSYT 692N2
No credit will be given for this course unless both PSYT 692N1 and PSYT 692N2 are successfully completed in a twelve month period
PSYT 692N1 and PSYT 692N2 together are equivalent to PSYT 692
Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 692N2
Credit Weight: 6
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: See PSYT 692N1 for course description.
Notes: Prerequisite: PSYT 692N1
No credit will be given for this course unless both PSYT 692N1 and PSYT 692N2 are successfully completed in a twelve month period
PSYT 692N1 and PSYT 692N2 together are equivalent to PSYT 692

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 693
Credit Weight: 12
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Active

PSYT 693N1
Credit Weight: 6
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Notes: Students must also register for PSYT 693N2
No credit will be given for this course unless both PSYT 693N1 and PSYT 693N2 are successfully completed in a twelve month period
PSYT 693N1 and PSYT 693N2 together are equivalent to PSYT 693

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 693N2
Credit Weight: 6
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description: See PSYT 693N1 for course description.
Notes: Prerequisite: PSYT 693N1
No credit will be given for this course unless both PSYT 693N1 and PSYT 693N2 are successfully completed in a twelve month period
PSYT 693N1 and PSYT 693N2 together are equivalent to PSYT 693

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Inactive

**PSYT 696**

**Credit Weight:** 3

**Transcript Title:** Special Topics in Psychiatry

**Calendar Title:** Special Topics in Psychiatry.

**Description:**
Supervised reading and discussion of selected issues and topics in contemporary psychiatry. Students will be responsible for assigned readings and for preparation of a graded paper.

**Notes:**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Active

**PSYT 701**

**Credit Weight:** 0

**Transcript Title:** Comp Exam Mental Health

**Calendar Title:** Comprehensive Exam Mental Health.

**Description:**
Mandatory comprehensive exam for all students enrolled in the Mental Health Ph.D. program, and must be completed by the end of the second year. The results of the examination determine whether or not students will be permitted to continue in the program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Active

**PSYT 711**

**Credit Weight:** 3

**Transcript Title:** Cultural Psychiatry

**Calendar Title:** Cultural Psychiatry.

**Description:**
Topics covered: cross-national epidemiological and ethnographic research of major and minor psychiatric disorders; culture-bound syndromes and idioms of distress; culture, emotion and social interaction; psychological and symbolic healing; mental health of immigrants and refugees; psychiatric theory and practice as cultural constructions; methods of cross-cultural research.

**Notes:**
Prerequisites: Knowledge of psychiatry and anthropology

**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.**

**Administering Faculty:** Graduate Studies

**Teaching Department:** Psychiatry

**Status (catalog level):** Active

**PSYT 711D1**

**Credit Weight:** 1.5

**Transcript Title:** Cultural Psychiatry

**Calendar Title:** Cultural Psychiatry.

**Description:**
Topics covered: cross-national epidemiological and ethnographic research of major
and minor psychiatric disorders; culture-bound syndromes and idioms of distress; culture, emotion and social interaction; psychological and symbolic healing; mental health of immigrants and refugees; psychiatric theory and practice as cultural constructions; methods of cross-cultural cross-cultural research.

Notes:
 Students must register for both PSYT 711D1 and PSYT 711D2
 No credit will be given for this course unless both PSYT 711D1 and PSYT 711D2 are successfully completed in consecutive terms
 PSYT 711D1 and PSYT 711D2 together are equivalent to PSYT 711

Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 711D2
Credit Weight: 1.5
Transcript Title: Cultural Psychiatry
Calendar Title: Cultural Psychiatry.
Description:
See PSYT 711D1 for course description.
Notes:
Prerequisite: PSYT 711D1
No credit will be given for this course unless both PSYT 711D1 and PSYT 711D2 are successfully completed in consecutive terms
PSYT 711D1 and PSYT 711D2 together are equivalent to PSYT 711
Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Inactive

PSYT 713
Credit Weight: 3
Transcript Title: Psychiatric Epidemiology
Calendar Title: Psychiatric Epidemiology.
Description:
An overview of the applications of epidemiology in psychiatry, including instruments and methods used in community studies; major recent population surveys of psychiatric disorders; study of treatment-seeking, pathways to care and use of services; interaction between psychological distress and physical health; methods used in specific populations; evaluation of treatment.
Notes:
Prerequisite(s): EPIB 601 or equivalent, or permission of instructor.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Psychiatry
Status (catalog level): Active
PUB2 101D1
Credit Weight: 3
Transcript Title: Constitutional Law
Calendar Title: Constitutional Law.
Description:
A comprehensive treatment of the theory, law and practice of the constitution, including legislative, executive and judicial institutions in Canada. The rule of law in executive government and in the lawmaking process. Parliamentary sovereignty, constitutional amendment, and the federal system, including the division of legislative powers. Guarantees of fundamental freedoms with emphasis on the Canadian Charter of Rights and Freedoms.
Notes:
Students must register for both PUB2 101D1 and PUB2 101D2.
No credit will be given for this course unless both PUB2 101D1 and PUB2 101D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 101D2
Credit Weight: 3
Transcript Title: Constitutional Law
Calendar Title: Constitutional Law.
Description:
See PUB2 101D1 for course description.
Notes:
Prerequisite: PUB2 101D1
No credit will be given for this course unless both PUB2 101D1 and PUB2 101D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 105
Credit Weight: 3
Transcript Title: Public International Law
Calendar Title: Public International Law.
Description:
The traditional fields of International Law including nature and sources; recognition, territory and acquisition of territory; jurisdiction on the high seas; nationality; diplomatic and consular privileges and immunities; responsibility of states; interpretation of treaties; legal control of force and aspects of the U.N. Charter, special Canadian problems of international law.
Public International Law. Droit Intl public
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 111
Credit Weight: 3
Transcript Title: Criminal Law
Calendar Title: Criminal Law.
Description:
The exploration of major problems in criminal law and its administration; emphasis on basic concepts which govern the implementation of the Criminal Code in Canada.
Administering Faculty: Faculty of Law
Teaching Department: Law  
Status (catalog level): Active

PUB2 313  
Credit Weight: 4  
Transcript Title: Taxation  
Calendar Title: Taxation.  
Description:  
The general principles of Canadian income tax law. The emphasis is on federal, personal and corporation tax with some reference to Quebec income tax law.  
Taxation Droit fiscal  
Administering Faculty: Faculty of Law  
Teaching Department: Law  
Status (catalog level): Active

PUB2 313D1  
Credit Weight: 2  
Transcript Title: Taxation  
Calendar Title: Taxation.  
Description:  
The general principles of Canadian income tax law. The emphasis is on federal, personal and corporation tax with some reference to Quebec income tax law.  
Notes:  
Students must register for both PUB2 313D1 and PUB2 313D2.  
No credit will be given for this course unless both PUB2 313D1 and PUB2 313D2 are successfully completed in consecutive terms  
PUB2 313D1 and PUB2 313D2 together are equivalent to PUB2 313  
Administering Faculty: Faculty of Law  
Teaching Department: Law  
Status (catalog level): Active

PUB2 313D2  
Credit Weight: 2  
Transcript Title: Taxation  
Calendar Title: Taxation.  
Description:  
See PUB2 313D1 for course description.  
Notes:  
Prerequisite: PUB2 313D1  
No credit will be given for this course unless both PUB2 313D1 and PUB2 313D2 are successfully completed in consecutive terms  
PUB2 313D1 and PUB2 313D2 together are equivalent to PUB2 313  
Administering Faculty: Faculty of Law  
Teaching Department: Law  
Status (catalog level): Inactive

PUB2 400  
Credit Weight: 3  
Transcript Title: The Administrative Process  
Calendar Title: The Administrative Process.  
Description:  
The administrative process and the legal structure of administrative agencies. Statutory interpretation, delegated legislation, policy rules, administrative discretion, administrative procedures and problems of institutional design will be considered in the context of some contemporary administrative agencies.  
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 401
Credit Weight: 3
Transcript Title: Judicial Rev of Admin Action
Calendar Title: Judicial Review of Administrative Action.
Description: The control of administrative decision-makers. Problems of delegation, formal jurisdiction, natural justice and errors of fact and law. Judicial review remedies; appeals; reconsideration; tort and contractual liability of administrative agencies; privative clauses; public inquiries; ombudsman schemes.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 401D1
Credit Weight: 1.5
Transcript Title: Judicial Rev of Admin Action
Calendar Title: Judicial Review of Administrative Action.
Description: The control of administrative decision-makers. Problems of delegation, formal jurisdiction, natural justice and errors of fact and law. Judicial review remedies; appeals; reconsideration; tort and contractual liability of administrative agencies; privative clauses; public inquiries; ombudsman schemes.
Notes: Students must register for both PUB2 401D1 and PUB2 401D2. No credit will be given for this course unless both PUB2 401D1 and PUB2 401D2 are successfully completed in consecutive terms. PUB2 401D1 and PUB2 401D2 together are equivalent to PUB2 401.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 401D2
Credit Weight: 1.5
Transcript Title: Judicial Rev of Admin Action
Calendar Title: Judicial Review of Administrative Action.
Description: See PUB2 401D1 for course description.
Notes: Prerequisite: PUB2 401D1. No credit will be given for this course unless both PUB2 401D1 and PUB2 401D2 are successfully completed in consecutive terms. PUB2 401D1 and PUB2 401D2 together are equivalent to PUB2 401.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Inactive

PUB2 403
Credit Weight: 2
Transcript Title: Municipal Law
Calendar Title: Municipal Law.
Description: Municipal institutions in the Province of Quebec and their constitution and
powers. Judicial review of the acts of municipal authorities and officers in the
genral context of administrative law. Judicial nullity and other problems.
Municipal taxation. Civil responsibility.

**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active

**PUB2 420**  
**Credit Weight:** 3  
**Transcript Title:** Trial Advocacy  
**Calendar Title:** Trial Advocacy.  
**Description:**  
The basic techniques of examination and cross-examination of witnesses in the
context of a series of simulated trials. The emphasis is on active participation
and on practical exercises in the basic problem areas: the unfolding of the
narrative; the use of suggestive questions and the aide-mémoire; cross-examination
and contradiction with prior written and oral statements; the production of
exhibits and documentary proof. The framework is primarily one of criminal and
statutory law, where these techniques are much more tightly defined.

**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active

**PUB2 422**  
**Credit Weight:** 3  
**Transcript Title:** Criminal Procedure  
**Calendar Title:** Criminal Procedure.  
**Description:**  
Principles of the law of criminal procedure. An examination of the criminal
process from the point of suspicion to trial and appeal. The relationship to the
process of the legal rights contained in the Charter of Rights and Freedoms will
be examined.

**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active

**PUB2 500**  
**Credit Weight:** 3  
**Transcript Title:** Law and Psychiatry  
**Calendar Title:** Law and Psychiatry.  
**Description:**  
The roles of lawyers and psychiatrists in the handling of the mentally ill within
the legal process. Consideration of the civil commitment and criminal commitment
processes, insanity and "automatism" defences, the psychiatrist as expert witness,
mental illness as a problem in relation to legal capacity. Some sessions will be
conducted jointly with members of the psychiatric profession.

**Notes:**  
Restriction: Open to a limited number of students in Law, Psychiatry and
Psychology. Not open to students who have taken PUB2 419.

**Administering Faculty:** Faculty of Law  
**Teaching Department:** Law  
**Status (catalog level):** Active

**PUB2 501**  
**Credit Weight:** 3  
**Transcript Title:** Advanced Criminal Law  
**Calendar Title:** Advanced Criminal Law.
Description:
Specific crimes and defenses, and problems in procedure, as a continuation of Criminal Law and Criminal Procedure. Selected topics will be announced in advance.

Notes:
Restriction: Not open to students who have taken PUB2 421.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 502
Credit Weight: 3
Transcript Title: International Criminal Law
Calendar Title: International Criminal Law.
Description:
Crimes against the law of nations, war crimes (the Nuremberg trials, the Eichmann case), genocide and the way in which states co-operate to fight organized crime, terrorism, hijacking, etc. Topics include: jurisdiction (crimes committed in foreign countries, at sea, in aircraft, extradition, international judicial assistance) and the recognition and enforcement of foreign criminal sentences.

Notes:
Restriction: Not open to students who have taken PUB2 425.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 503
Credit Weight: 3
Transcript Title: Comparative Federalism
Calendar Title: Comparative Federalism.
Description:
Institutional design of federal states, or of supra-national arrangements, in comparative perspective. Rationale for federal constitutions; confederal vs. federal organization; symmetric vs. asymmetric federations; allocation of powers; the subsidiarity principle; accession to and secession from the federation; the place of popular sovereignty; federalism within central legislative or executive institutions.

Notes:
Restriction: Not open to students who have taken PUB2 450.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 504
Credit Weight: 3
Transcript Title: Sentencing in Canadian Law
Calendar Title: Sentencing in Canadian Law.
Description:
Survey of principles of sentencing and correctional law in Canada. This course reviews general principles such as aims of punishment, matters of procedures and evidence, and review of sentences by appellate courts. A detailed examination of selected topics include participation of victims in sentencing, dangerous offenders, native offenders, homicide cases.

Notes:
Not open to students who have taken PUB2 424.

Sentencing in Canadian Law. Sentencing in Canadian Law

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 505
Credit Weight: 3
Transcript Title: Statutory Interpretation
Calendar Title: Statutory Interpretation.
Description:
Legislation as a legal instrument, its various classifications, purposes and forms, styles of legislative drafting, codification, the process of interpretation, the interpretation of statutes and codes and rules of construction.
Notes:
Restrictions: Not open to first year law students. Not open to students who have taken PUB2 402.
Statutory Interpretation.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 506
Credit Weight: 2
Transcript Title: The Law of Int'l Organization
Calendar Title: The Law of International Organization.
Description:
Legal aspects of institutionalized multilateral diplomacy. Comparative study of the constitutional instruments of international organizations in the UN system and their law-making functions. Legal issues of international civil service.
Notes:
Restriction: Not open to students who have taken PUB2 406
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 515
Credit Weight: 3
Transcript Title: Tax Policy
Calendar Title: Tax Policy.
Description:
Public aspects of tax legislation; federal-provincial agreements; tax sharing and equalization; municipal aspects; social problems in tax policy. Negative tax and re-distribution of resources.
Notes:
Restriction: Not open to students who have taken PUB2 415
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 517
Credit Weight: 3
Transcript Title: Corporate Taxation
Calendar Title: Corporate Taxation.
Description:
In-depth consideration of problems unique to corporations and their shareholders including the small business deduction and refundable taxes; distributions to shareholders; corporate reorganizations and liquidations; the capital gain and
rollover.

Notes:
Restriction: Not open to students who have taken PUB2 417

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 551
Credit Weight: 3
Transcript Title: Immigration & Refugee Law
Calendar Title: Immigration and Refugee Law.

Description:
A study of Canadian and Quebec immigration and refugee law, practice and policy, with particular exploration of the historical development—and contemporary paradox—of border regulation; interface with national security, employment policy and trade theory; admissions categories and the construction of illegality; impact of Charter and international human rights law.

Notes:
Restriction: Not open to students who have taken PUB2 451

Immigration & Refugee Law Immigration & Refugee Law

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PUB3 116
Credit Weight: 3
Transcript Title: Foundations
Calendar Title: Foundations.
Description:
Overview of the spirit, history, and sources of Civil and Common Law traditions in their Canadian manifestations; introduction to Aboriginal legal traditions. The course explores issues of legal history and institutions, relationship between private and public law, comparative methodology, legal theory and ethics.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB3 515
Credit Weight: 3
Transcript Title: Can Charter of Rights & Freedoms
Calendar Title: Canadian Charter of Rights and Freedoms.
Description:
A critical analysis of the Charter and its implications for the legal process in general, and domestic human rights law in particular, organized around the following themes: pre-Charter human rights law and its legacy; general considerations respecting the entrenchment, application and interpretation of the Charter; procedural issues and judicial review under the Charter; advocacy under the Charter.
Notes:
Restriction: Not open to students who have taken PUB3 115
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
QCST 200
Credit Weight: 3
Transcript Title: Intro to the Study of Quebec
Calendar Title: Introduction to the Study of Quebec.
Description:
Introduction to the ideas and approaches that scholars have used and developed to study Quebec, including some of the foremost issues that have shaped Quebec historically and continue to influence contemporary life. The changing notions about territory, identity, language, citizenship and belonging, the complexity and diversity of Quebec (11 Aboriginal nations, multilingual, multiethnic and religious communities, minority status within Canada) will also be explored from a comparative perspective to identify characteristics that Quebec shares with other nations and those that are different.
Notes:
This course offers students the possibility of doing a community engagement internship (or ExCELR option).
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

QCST 300
Credit Weight: 3
Transcript Title: Quebec Culture and Society
Calendar Title: Quebec Culture and Society.
Description:
A multidisciplinary course that looks at Quebec's key social, economic, cultural, political and historical aspects.
Notes:
Required course for all students in Quebec Studies. Open to all students. This course offers students the possibility of doing a community engagement internship (or ExCELR option).
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

QCST 336
Credit Weight: 6
Transcript Title: Quebec Studies Summer Seminar
Calendar Title: Quebec Studies Summer Seminar.
Description:
Intensive course, mainly in French, that introduces non-Quebec students to Quebec and Montreal's history and culture. Special emphasis on French-language skills.
Notes:
Prerequisite: Intermediate level placement test required or permission of the instructor.
Restrictions: Designed for non-Quebec and non-francophone students. Intermediate proficiency in French is required. Placement test is required. Enrolment is limited to 25 students. Not open to students who have taken FRSL 326 or QCST 300. This course carries an additional charge of $51.87 to cover the cost of guided visits to the following five Montreal Museums: Pointe-à-Callière, Musée d'archéologie et d'histoire de Montréal; Centre d'histoire de Montréal; Musée d'Art contemporain de Montréal; Musée des Beaux-Arts de Montréal; Musée McCord; Musée d'histoire de Montréal. The fee is refundable only during the withdrawal with full refund period.
Weekend cultural activities will reinforce course themes. This course offers students the possibility of doing a community engagement internship (or ExCELR option).
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active

QCST 440
Credit Weight: 3
Transcript Title: Contemporary Issues in Quebec
Calendar Title: Contemporary Issues in Quebec.
Description:
Seminar on a selected theme or topic concerning Quebec society with the goal of integrating social, economic, cultural, political and historic aspects.
Notes:
Prerequisite(s): QCST 300 or permission of the instructor
Required course for all students in Quebec Studies.
Instruction, discussions, oral presentations and papers can be in French or English
This course offers students the possibility of doing a community engagement internship (or ExCELr option).
Administering Faculty: Faculty of Arts
Teaching Department: Institute for Study of Canada
Status (catalog level): Active
QLSC 600D1

Transcript Title: Foundations of Quant Life Sci
Calendar Title: Foundations of Quantitative Life Sciences.
Description:
Provides an overview of important problems in the life sciences and introduces students to the latest computational, mathematical, and statistical approaches involved in their solution. Includes a survey of modern technologies for biological data acquisition and promotes a common language to communicate across the biological, physical, mathematical, and computational sciences. Topics will include bioinformatics and computational genomics, nonlinear dynamics in biological systems, linear and nonlinear models of biological signals, biophysical imaging technology, emergent behaviour in biophysical networks, and ecosystem dynamics and modeling.
Notes:
Prerequisite(s): BIOL 200 or BIOL 201; COMP 206, COMP 250, MATH 314; MATH 223 or MATH 236; MATH 323 or MATH 324
Restriction(s): Priority given to students enrolled in the ad hoc Quantitative Life Sciences Ph.D. program.
No credit will be given for this course unless both QLSC 600D1 and QLSC 600D2 are successfully completed in consecutive terms.
Students must register for both QLSC 600D1 and QLSC 600D2

Administering Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 600D2

Transcript Title: Foundations of Quant Life Sci
Calendar Title: Foundations of Quantitative Life Sciences.
Description:
Provides an overview of important problems in the life sciences and introduces students to the latest computational, mathematical, and statistical approaches involved in their solution. Includes a survey of modern technologies for biological data acquisition and promotes a common language to communicate across the biological, physical, mathematical, and computational sciences. Topics will include bioinformatics and computational genomics, nonlinear dynamics in biological systems, linear and nonlinear models of biological signals, biophysical imaging technology, emergent behaviour in biophysical networks, and ecosystem dynamics and modeling.
Notes:
Prerequisite(s): BIOL 200 or BIOL 201; COMP 206, COMP 250, MATH 314; MATH 223 or MATH 236; MATH 323 or MATH 324
Restriction(s): Priority given to students enrolled in the ad hoc Quantitative Life Sciences Ph.D. program.
Prerequisite: QLSC 600D1
No credit will be given for this course unless both QLSC 600D1 and QLSC 600D2 are successfully completed in consecutive terms.

Administering Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 601D1

Transcript Title: QLS Seminars 1
Calendar Title: Quantitative Life Sciences Seminars 1.
Description:
QLS Monthly Seminar Series and Journal Club.

Notes:
Students must register for both QLSC 601D1 and QLSC 601D2
No credit will be given for this course unless both QLSC 601D1 and QLSC 601D2 are successfully completed in consecutive terms
Restriction: Restricted to students enrolled in QLS.

Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 601D2
Credit Weight: 0
Transcript Title: QLS Seminars 1
Calendar Title: Quantitative Life Sciences Seminars 1.
Description:
See QLSC 601D1 for description.

Notes:
Prerequisite: QLSC 601D1
No credit will be given for this course unless both QLSC 601D1 and QLSC 601D2 are successfully completed in consecutive terms.
Restriction: Restricted to students enrolled in QLS.

Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 601N1
Credit Weight: 0
Transcript Title: QLS Seminars 1
Calendar Title: Quantitative Life Sciences Seminars 1.
Description:
QLS Monthly Seminar Series and Journal Club.

Notes:
Students must also register for QLSC 601N2
No credit will be given for this course unless both QLSC 601N1 and QLSC 601N2 are successfully completed in a twelve month period.
Restriction: Restricted to students enrolled in QLS.

Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 601N2
Credit Weight: 0
Transcript Title: QLS Seminars 1
Calendar Title: Quantitative Life Sciences Seminars 1.
Description:
See QLSC 601N1 for description.

Notes:
Prerequisite: QLSC 601N1
No credit will be given for this course unless both QLSC 601N1 and QLSC 601N2 are successfully completed in a twelve month period.
Restriction: Restricted to students enrolled in QLS.

Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 602D1
Credit Weight: 0
Transcript Title: QLS Seminars 2
Calendar Title: Quantitative Life Sciences Seminars 2.
Description:
QLS Monthly Seminar Series and Journal Club.
Notes:
Students must register for both QLSC 602D1 and QLSC 602D2
No credit will be given for this course unless both QLSC 602D1 and QLSC 602D2 are successfully completed in consecutive terms
Restriction: Restricted to students enrolled in QLS.
Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 602D2
Credit Weight: 0
Transcript Title: QLS Seminars 2
Calendar Title: Quantitative Life Sciences Seminars 2.
Description:
See QLSC 602D1 for description.
Notes:
Prerequisite: QLSC 602D1
No credit will be given for this course unless both QLSC 602D1 and QLSC 602D2 are successfully completed in consecutive terms
Restriction: Restricted to students enrolled in QLS.
Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 602N1
Credit Weight: 0
Transcript Title: QLS Seminars 2
Calendar Title: Quantitative Life Sciences Seminars 2.
Description:
QLS Monthly Seminar Series and Journal Club.
Notes:
Students must also register for QLSC 602N2
No credit will be given for this course unless both QLSC 602N1 and QLSC 602N2 are successfully completed in a twelve month period.
Restriction: Restricted to students enrolled in QLS.
Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 602N2
Credit Weight: 0
Transcript Title: QLS Seminars 2
Calendar Title: Quantitative Life Sciences Seminars 2.
Description:
See QLSC 602N1 for description.
Notes:
Prerequisite: QLSC 602N1
No credit will be given for this course unless both QLSC 602N1 and QLSC 602N2 are successfully completed in a twelve month period.
Restriction: Restricted to students enrolled in QLS.
Administrating Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 603D1
Credit Weight: 0
Transcript Title: QLS Seminars 3
Calendar Title: Quantitative Life Sciences Seminars 3.
Description: QLS Monthly Seminar Series and Journal Club.
Notes: Students must register for both QLSC 603D1 and QLSC 603D2. No credit will be given for this course unless both QLSC 603D1 and QLSC 603D2 are successfully completed in consecutive terms. Restriction: Restricted to students enrolled in QLS.
Administering Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 603D2
Credit Weight: 0
Transcript Title: QLS Seminars 3
Calendar Title: Quantitative Life Sciences Seminars 3.
Description: See QLSC 603D1 for description.
Notes: Prerequisite: QLSC 603D1. No credit will be given for this course unless both QLSC 603D1 and QLSC 603D2 are successfully completed in consecutive terms. Restriction: Restricted to students enrolled in QLS.
Administering Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 603N1
Credit Weight: 0
Transcript Title: QLS Seminars 3
Calendar Title: Quantitative Life Sciences Seminars 3.
Description: QLS Monthly Seminar Series and Journal Club.
Notes: Students must also register for QLSC 603N2. No credit will be given for this course unless both QLSC 603N1 and QLSC 603N2 are successfully completed in a twelve month period. Restriction: Restricted to students enrolled in QLS.
Administering Faculty: Graduate Studies
Teaching Department: Quantitative Life Sciences
Status (catalog level): Active

QLSC 603N2
Credit Weight: 0
Transcript Title: QLS Seminars 3
Calendar Title: Quantitative Life Sciences Seminars 3.
Description: See QLSC 603N1 for description.
Notes: Prerequisite: QLSC 603N1.
No credit will be given for this course unless both QLSC 603N1 and QLSC 603N2 are successfully completed in a twelve month period.

Restriction: Restricted to students enrolled in QLS.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Quantitative Life Sciences

**Status (catalog level):** Active

### QLSC 611

**Credit Weight:** 3

**Transcript Title:** Directed Readings

**Calendar Title:** Directed Readings.

**Description:**
Directed reading and writing assignments under the guidance of a QLS supervisor. Topics will be chosen to suit individual needs.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Quantitative Life Sciences

**Status (catalog level):** Active

### QLSC 612

**Credit Weight:** 3

**Transcript Title:** Fundamentals for Neuro Data Science

**Calendar Title:** Fundamentals for Neuro Data Science.

**Description:**
Analyzing neuroscience and neuroimaging data in a reproducible and collaborative manner using the Python software stack, including the fundamentals of both tools (bash, git, github, jupyter, docker, visualization) and analysis methods (hypothesis testing, machine learning) at the conceptual and practical levels.

**Notes:**
Students will be expected to have basic programming skills and to bring a laptop.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Quantitative Life Sciences

**Status (catalog level):** Active

### QLSC 701

**Credit Weight:** 0

**Transcript Title:** Ph.D. Comprehensive Exam

**Calendar Title:** Ph.D. Comprehensive Exam.

**Description:**
Compulsory comprehensive examination to evaluate the students' ability to carry out, present, discuss and defend research in their field of interest. The examination must be completed within the first 18 months of enrollment in the program.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Quantitative Life Sciences

**Status (catalog level):** Active
RADD 301

Credit Weight: 1

Transcript Title: TCP Radiology

Calendar Title: TCP Radiology.

Description:
This one-week course will introduce students to imaging of the common and important conditions of the chest, abdomen, musculoskeletal and neurological systems as well as pediatric-related pathologies. Through small group session and clinical apprenticeship sessions with technologists, residents and radiologists, students better understand how medical images are acquired in each modality and how they are interpreted by the radiologist.

Notes:
Restriction(s): Open only to students in the M.D., C.M. program.

Administering Faculty: Faculty of Medicine & Hlth Sci

Teaching Department: Diagnostic Radiology

Status (catalog level): Active
REDM 396  
**Credit Weight:** 3  
**Transcript Title:** Undergraduate Research Project  
**Calendar Title:** Undergraduate Research Project.  
**Description:**  
Independent research project with a final written report.  
**Notes:**  
Restrictions: This course cannot be taken under the S/U option. Departmental permission required. Students cannot be supervised by the same instructor for two 396 Science courses. Open to students in programs offered by the Faculty of Science only.  
Note: Enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects may be suggested each term which may have project-specific prerequisites. Students may also approach professors to devise their own projects. Some projects may be accessible to students in other disciplines. See https://www.mcgill.ca/science/research/undergraduate-research/science-research-courses for more information about available projects and application forms and procedures.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Redpath Museum  
**Status (catalog level):** Active

REDM 399  
**Credit Weight:** 1  
**Transcript Title:** Science Writing  
**Calendar Title:** Science Writing.  
**Description:**  
Techniques for effective science writing, including elements of reader-based scientific manuscripts and Abstracts. Emphasis on how to edit texts to make them logical, precise, and clear.  
**Notes:**  
Prerequisite: Completion of U1 and permission of the instructor.  
Note: Preference given to students concurrently enrolled in Research Project course. To obtain permission, students should email the instructor, Linda.Cooper@mcgill.ca  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Redpath Museum  
**Status (catalog level):** Active

REDM 400  
**Credit Weight:** 3  
**Transcript Title:** Science and Museums  
**Calendar Title:** Science and Museums.  
**Description:**  
Natural history museums and their collections, how collections are created and maintained and how collections are used in scientific research. Context of natural history museums, collections-based research and curatorial methods.  
**Notes:**  
Winter: Course consists of lectures, practical labs, field trips and individual term-projects.  
Prerequisites: A 200- or 300-level course that deals with diversity of specimens or objects relevant to Museum-based research and collections. e.g. BIOL 215, BIOL 305, EPS2 210, EPS2 233, ANTH 208, ANTH 310, PLNT 358, WILD 212, WILD 313, or permission of instructor.  
**Administering Faculty:** Faculty of Science
Teaching Department: Redpath Museum  
Status (catalog level): Active

**REDM 405**  
Credit Weight: 3  
Transcript Title: Natural History of East Africa  
Calendar Title: Natural History of East Africa.  
Description: Integrated study of African landforms, geologic history, climate, environments, biota, water resources and human influences, fostering a thorough understanding of the East African landscape and its inhabitants. Lectures, discussions on selected topics, use of museum resources and field studies will develop powers of observation, identification and enquiry.  
Notes:  
Winter  
Corequisites: ANTH/GEOG 451 and NRSC/BIOL 451  
Restrictions: Not open to students who have taken or are taking NRSC 300 or GEOG 300 or NRSC 405. Open only to African Field Study Semester students during the year of participation in the field.  
Course consists of field exercises, lectures, seminars and discussions.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Redpath Museum  
**Status (catalog level):** Active

**REDM 410**  
Credit Weight: 3  
Transcript Title: Writing Research Articles  
Calendar Title: Writing Research Articles.  
Description: Students will learn about the scientific article, publishing in the sciences, and the benefits of writing for a wide audience. This course focuses on how to structure the Abstract, as well as the Introduction and Discussion section of the full manuscript, and on editing techniques.  
Notes:  
Prerequisite: 24 credits of 200/300-level Science courses.  
Restriction: This is an advanced course and permission of the instructor is required. To obtain permission, students should email the instructor, linda.cooper@mcgill.ca. Not open to students who are taking or have taken REDM 399.  
**Administering Faculty:** Faculty of Science  
**Teaching Department:** Redpath Museum  
**Status (catalog level):** Active

**REDM 511**  
Credit Weight: 3  
Transcript Title: Advanced Museum-Based Science  
Calendar Title: Advanced Museum-Based Science.  
Description: The course will allow senior undergraduates and graduate students to become intimately acquainted with key primary literature in museum-based science and the major issues challenging the field. Course components will include the weekly Redpath seminar series, and also a 2-hour weekly lecture, presentation, and discussion session.  
Symbols: ALTY – Taught in alternate years  
Notes:  
Prerequisite(s): REDM 400 and/or permission of instructor.
Administering Faculty: Faculty of Science
Teaching Department: Redpath Museum
Status (catalog level): Active

REDM 610
Credit Weight: 3
Transcript Title: Writing Science Articles 1
Calendar Title: Writing Science Articles 1.
Description:
Principles and techniques for clear scientific writing with an emphasis on how to transform complex ideas into direct and precise ones by explaining research to peers and writing for interdisciplinary audiences.
Notes:
Prerequisite: Permission of instructor.
Restrictions: Restricted to graduate students in the Faculty of Science; graduate students from other faculties considered, space permitting. Enrolment is limited to 12 students. The language of instruction is English and it is not intended as an ESL course. Course is graded pass/fail.
Administrating Faculty: Graduate Studies
Teaching Department: Redpath Museum
Status (catalog level): Active

REDM 710
Credit Weight: 3
Transcript Title: Writing Science Articles 2
Calendar Title: Writing Science Articles 2.
Description:
Skills for writing and publishing scientific articles, including peer-reviewed manuscripts and short, critical reviews of published articles. Topics include techniques for developing logical arguments and writing publishable manuscripts.
Notes:
Prerequisite: Permission of instructor.
Restrictions: Restricted to Ph.D. students in the Faculty of Science; M.Sc. students from the Faculty of Science and Ph.D. students from other faculties considered, space permitting. Enrolment is limited to 12 students. The language of instruction is English and it is not intended as an ESL course. Course is graded pass/fail.
Administrating Faculty: Graduate Studies
Teaching Department: Redpath Museum
Status (catalog level): Active
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<tr>
<th>Course Code</th>
<th>Credit Weight</th>
<th>Transcript Title</th>
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Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

REGN RCMD
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Calendar Title:
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Active

REGN RCPO
Credit Weight: 0
Transcript Title: I confirm P&OT Reg
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

REGN STOR
Credit Weight: 0
Transcript Title: Conf Summer Term of Residence
Calendar Title:
Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

REGN WDAG
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Agricultural & Env.Sc.-Dean
Status (catalog level): Active

REGN WDAR
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

REGN WDas
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Withdrawn from the University.
Administering Faculty: Interfaculty, B.A. & Sc.
Teaching Department: Arts & Science Admin (Shared)
Status (catalog level): Active
REGN WDDE
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Administering Faculty: Fac Dental Medicine & Oral HS
Teaching Department: Dental Med & Oral Health Sci
Status (catalog level): Inactive

REGN WDED
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Administering Faculty: Faculty of Education
Teaching Department: Education - Dean's Office
Status (catalog level): Active

REGN WDEN
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

REGN WDGM
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Medicine and Health Sciences
Status (catalog level): Inactive

REGN WDGQ
Credit Weight: 0
Transcript Title: Withdrawn From University
Calendar Title: Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

REGN WDGR
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Administering Faculty: Graduate Studies
Teaching Department: Artificial Course (not GDEU)
Status (catalog level): Active

REGN WDLW
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title: Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
REGN WDMG
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

REGN WDMU
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Schulich School of Music
Teaching Department: Music
Status (catalog level): Active

REGN WDNU
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active

REGN WDPO
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

REGN WDRS
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

REGN WDSC
Credit Weight: 0
Transcript Title: Withdrawn from the University
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active
RELG 201
Credit Weight: 3
Transcript Title: Religions: Ancient Near East
Calendar Title: Religions of the Ancient Near East.
Description:
Introduction to the religions of Mesopotamia, Egypt and Syria-Palestine (excluding
Israelite religion) from the fourth to first millennium B.C.E. Themes that will be
discussed include: gods and goddesses, divine kingship, deification of kings,
temple cult, death and afterlife, magic, piety, oracles, prayer, lament, myth and
epic.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 202
Credit Weight: 3
Transcript Title: Religion of Ancient Israel
Calendar Title: Religion of Ancient Israel.
Description:
An examination of the religion of Ancient Israel by a study of selected texts
(narratives, laws, prophetic sayings, wisdom traditions, and psalms) from the
Hebrew Scriptures/Old Testament in translation.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 203
Credit Weight: 3
Transcript Title: Bible and Western Culture
Calendar Title: Bible and Western Culture.
Description:
To provide students of the humanities with knowledge of the Bible as a tool for
interpreting religious references in Western literature, art and music. Biblical
stories (e.g. Creation, Exodus), key figures (e.g. David, Job, Mary), and common
motifs (e.g. Holy City, Pilgrimage, Bride) are explored, then illustrated by later
cultural forms.
Notes:
Fall and Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 204
Credit Weight: 3
Transcript Title: Judaism, Christianity & Islam
Calendar Title: Judaism, Christianity and Islam.
Description:
An introduction to the beliefs, practices, and religious institutions of these
three world religions.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 205
Credit Weight: 3
Transcript Title: Death and Dying
Calendar Title: Death and Dying.
Description:
How people in contemporary North America use traditional religious concepts and rituals, scientific understandings and medical procedures, or innovative combinations of both, to cope with, and make sense of, the concept of death. Exploration of how culture, politics, and other societal infrastructure interact in/through the bodily fact of death.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 207
Credit Weight: 3
Transcript Title: Intro to Study of Religions
Calendar Title: Introduction to the Study of Religions.
Description:
This course is an introduction to classic and contemporary approaches to the academic study of religions. This includes perspectives from philosophy, theology, anthropology, sociology, psychology, phenomenology, and feminism. Students are also exposed to applications of these perspectives from visiting scholars who treat some aspect of a religious tradition in light of current-day interests and events. The primary objective is to introduce students to the principal theories and methods that have shaped our understanding of religion, its various meanings as well as its roles and functions in society.

Notes:
Restriction(s): Not open to students who have taken RELG 255.

Winter

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 210
Credit Weight: 3
Transcript Title: Jesus of Nazareth
Calendar Title: Jesus of Nazareth.
Description:
A critical study of selected ancient and modern accounts of the aims and person of Jesus. Attention will be given also to the question of the historical sources and to the relationship between faith and history.

Notes:
Fall, Winter and Summer

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 211
Credit Weight: 3
Transcript Title: Theology through Fiction
Calendar Title: Theology through Fiction.
Description:
Fiction of Christian provenance, in a variety of subgenres, including famous works
by the likes of Dostoevsky, Undset, Chesterton, Mauriac, Lewis, Tolkien, Waugh, Greene, Percy, and O'Connor, is both theologically informed and theologically informative. Works selected from such literature will be read and discussed with a view to probing the notions of redemption in play.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 222**  
**Credit Weight:** 3  
**Transcript Title:** World Christianity  
**Calendar Title:** World Christianity.  
**Description:**  
Explores the global nature of Christianity. Examines the roots of the rapid growth of Christianity in the Global South and the influence of its 2 billion adherents around the world. Considers the variety of forms of the Christian faith around the world, including historic denominations, Pentecostalism, and other new forms of the faith. Particular attention to African, Asian, and Latin American forms of Christianity, and their relationship to developments in Europe and North America. Key themes include migration, modernity, politics, gender and sexuality, and globalization.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 252**  
**Credit Weight:** 3  
**Transcript Title:** Hinduism & Buddhism  
**Calendar Title:** Hinduism and Buddhism.  
**Description:**  
The interaction of Hinduism and Buddhism in India with special reference to the law of Karma, caste, women, ritual, death, yoga, and liberation. Determination of interpretative principles for understanding the religious psychology of Hindus and Buddhists.

**Notes:**  
Fall

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 253**  
**Credit Weight:** 3  
**Transcript Title:** Religions of East Asia  
**Calendar Title:** Religions of East Asia.  
**Description:**  
This course introduces East Asia's major religions comparatively by addressing the continuous exchange of ideas and practices between traditions. Rather than adopting a mere chronological approach, Buddhism, Daoism, and Confucianism will be discussed thematically, taking in to account topics such as gender constructs, the secular and the sacred, material culture, and the apparent contrast between doctrine and practice.

**Notes:**  
Winter

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active
RELG 254
Credit Weight: 3
Transcript Title: Intro to Yoga Traditions
Calendar Title: Introduction to Yoga Traditions.
Description: This course is an historical and thematic investigation into yoga, including its classical formulations, esoteric practices, and contemporary developments and debates. It explores early yoga traditions as well as the development of modern yoga in India and ¿the West¿ along with themes such as the body, asceticism, secularism, and cultural exchange.
Notes: Fall
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 257
Credit Weight: 6
Transcript Title: Introductory Sanskrit
Calendar Title: Introductory Sanskrit.
Description: To develop basic language and reading skills.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 257D1
Credit Weight: 3
Transcript Title: Introductory Sanskrit
Calendar Title: Introductory Sanskrit.
Description: To develop basic language and reading skills.
Notes: Students must register for both RELG 257D1 and RELG 257D2.
No credit will be given for this course unless both RELG 257D1 and RELG 257D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 257D2
Credit Weight: 3
Transcript Title: Introductory Sanskrit
Calendar Title: Introductory Sanskrit.
Description: See RELG 257D1 for course description.
Notes: Prerequisite: RELG 257D1
No credit will be given for this course unless both RELG 257D1 and RELG 257D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 264
Credit Weight: 3
Transcript Title: Introductory Tibetan 1
Calendar Title: Introductory Tibetan 1.
Description:
An introduction to the language of Classical Tibetan, specifically Tibetan script and basic grammar.
Notes:
Fall
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 265
Credit Weight: 3
Transcript Title: Introductory Tibetan 2
Calendar Title: Introductory Tibetan 2.
Description:
A continuation of the introduction to the language of Classical Tibetan, specifically Tibetan script and basic grammar.
Notes:
Winter
Prerequisite: RELG 264
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 266
Credit Weight: 3
Transcript Title: Introductory Tamil 1
Calendar Title: Introductory Tamil 1.
Description:
An introduction to the basic grammar and syntax of Tamil, a classical and modern language from South India. Students will acquire basic skills in reading, writing and speaking Tamil.
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 267
Credit Weight: 3
Transcript Title: Introductory Tamil 2
Calendar Title: Introductory Tamil 2.
Description:
Advanced basic grammar and syntax of Tamil, a classical and modern language from South India. Students will acquire basic skills in reading, writing and speaking Tamil.
Notes:
Prerequisite: RELG 266
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 269
Credit Weight: 6
Transcript Title: Colloquial Tibetan
Calendar Title: Colloquial Tibetan.
Description:
An intensive course introducing students to modern spoken and written Tibetan.

Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 270
Credit Weight: 3
Transcript Title: Religious Ethics & the Environ
Calendar Title: Religious Ethics and the Environment.
Description:
Environmental potential of various religious traditions and secular perspectives, including animal rights, ecofeminism, and deep ecology.
Notes:
Fall: Macdonald Campus (Ste-Anne-de-Bellevue). Winter: Downtown Campus.

Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 271
Credit Weight: 3
Transcript Title: Religion and Sexuality
Calendar Title: Religion and Sexuality.
Description:
Exploration of intersections between religion, gender and sexuality in diverse cultural, historical and contemporary contexts.
Notes:
Winter

Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 279
Credit Weight: 3
Transcript Title: New Testament Greek 1
Calendar Title: New Testament Greek 1.
Description:
Notes:
Restrictions: Not open to students who have taken RELG 280 prior to 201909, RELG 280D1/D2, CLAS 220, CLAS 222, or CLAS 225.

Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 280
Credit Weight: 3
Transcript Title: New Testament Greek 2
Calendar Title: New Testament Greek 2.
Description:
Notes:
Prerequisite(s): RELG 279, CLAS 220
Restrictions: Not open to students who have taken RELG 280 D1/D2 or RELG 280
prior to 201909.
Not open to students who have taken CLAS 220 D1/D2, CLAS 222, CLAS 225

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 288
Credit Weight: 3
Transcript Title: Introduction to Sikhism
Calendar Title: Introduction to Sikhism.
Description:
An introduction to the historical and religious contexts relevant to understanding Sikh religious traditions, including its principal doctrines, practices and institutions and its evolution from its origins in South Asia to the present, with particular attention to Sikh-Canadian transnational connections.
Notes:
Restriction: Not open to students who have taken RELG 388.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 300
Credit Weight: 3
Transcript Title: Second Temple Judaism
Calendar Title: Second Temple Judaism.
Description:
A survey of Jewish history and thought from Ezra to the Mishnah; religious developments and groups, e.g., apocalypticism, Hellenistic Judaism, Essenes, Pharisees, Early Christianity and Rabbinic Judaism; and Biblical Interpretation in the Dead Sea Scrolls, Philo, Paul, Mishnah and Midrashim.
Symbols: ALTY - Taught in alternate years
Notes:
Fall

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 302
Credit Weight: 3
Transcript Title: Literature of Ancient Israel 1
Calendar Title: Literature of Ancient Israel 1.
Description:
An introduction to the literature of Ancient Israel in English translation. Reading and interpreting representative selections.
Notes:
Fall

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 303
Credit Weight: 3
Transcript Title: Lit of Ancient Israel 2
Calendar Title: Literature of Ancient Israel 2.
Description:
Approaches to historical-critical scholarship and to the historical background of the Old Testament. Part of the course will be an examination of methods of
biblical analysis through the use of learning cells.

Notes:
Winter

Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 307
Credit Weight: 3
Transcript Title: Bible, Quran & Interpretations
Calendar Title: Bible, Quran and Interpretations.
Description:
Jewish, Christian and Muslim scriptures as responses to earlier sacred texts and in the light of post-scriptural interpretations. The debates, polemics, interpretative strategies, and intellectual and spiritual sharing produced by these three religions in accepting, explaining, amplifying, modifying, and selectively rejecting their and other sacred scriptures.
Symbols: ALTY - Taught in alternate years

Notes:

RELG 308
Credit Weight: 3
Transcript Title: Ancient Bible Translations
Calendar Title: Ancient Bible Translations.
Description:
Canonical changes, literary alterations, translation techniques, hermeneutical strategies, variant readings, and textual histories of the books of the Hebrew Bible as evidenced in the ancient versions, primarily the Septuagint. (No knowledge of Greek or Hebrew is required.)
Notes:
Prerequisites: One of RELG 202, 302 or JWST 211, 327, 328, 329, 330.

RELG 309
Credit Weight: 3
Transcript Title: World Rel&Cultures They Create
Calendar Title: World Religions and Cultures They Create...
Description:
The constitution and mutual entanglements of selected religions and cultures originating and thriving in varied regional contexts. Focus on highlighting the symbolic (visual, aural) expressivity of religions via ritual, myth, and rational speculation and its impact on high and popular cultures.
Notes:
Prerequisite: RELG 204, RELG 207, RELG 252, or RELG 253 recommended
Restrictions: Not open to students who have taken RELG 208.

RELG 310
Credit Weight: 3
Transcript Title: Canadian Church History
Calendar Title: Canadian Church History.
Description:
A survey of the major Christian traditions in Canada from the settlement of New France to the present. Lectures and seminars with use, where possible, of primary source materials.
Notes:
Winter
Prerequisite: RELG 323 or HIST 202 or HIST 203 or HIST 357 recommended.
Restriction: Not open to students who have taken RELG 420.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 311
Credit Weight: 3
Transcript Title: Formation of the New Testament
Calendar Title: Formation of the New Testament.
Description:
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 312
Credit Weight: 3
Transcript Title: The Gospels
Calendar Title: The Gospels.
Description:
An introduction to the critical study of the Gospels.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 313
Credit Weight: 3
Transcript Title: Topics in Biblical Studies 1
Calendar Title: Topics in Biblical Studies 1.
Description:
Topics in biblical studies. Topic varies by year.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 315
Credit Weight: 3
Transcript Title: Special Topics in Religion 1
Calendar Title: Special Topics in Religion 1.
Description:
Topics of current interest in or between world religions.

Notes:
Winter and Summer
Prerequisites: RELG 204 or RELG 252 or RELG 253
Restriction: Not open to students who have taken RELG 496
The Life and Thought of V.D. Sarvarkar.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 316
Credit Weight: 3
Transcript Title: New Religious Movements
Calendar Title: New Religious Movements.
Description:
A critical analysis of the origins, character and influence of one or more religious movements of the 19th C. and beyond, with special attention to their religious principles and social function.

Notes:
Prerequisites: RELG 204 or RELG 252 or RELG 253

RELG 317
Credit Weight: 3
Transcript Title: Special Topics in Religion 2
Calendar Title: Special Topics in Religion 2.
Description:
Topics of current interest in, or between, world religions.

Notes:
Summer
Prerequisites: RELG 204 or RELG 252 or RELG 253.
Restriction: Not open to students who have taken RELG 496.

RELG 318
Credit Weight: 3
Transcript Title: Special Topics in Religion 3
Calendar Title: Special Topics in Religion 3.
Description:
Topics of current interest in, or between, world religions.

Notes:
Fall and Summer
Prerequisites: RELG 204 or RELG 252 or RELG 253.
Restriction: Not open to students who have taken RELG 496.

RELG 319
Credit Weight: 3
Transcript Title: Special Topics in Religion 4
Calendar Title: Special Topics in Religion 4.
Description: Topics of current interest in, or between, world religions.
Notes: Summer
Prerequisites: RELG 204 or RELG 252 or RELG 253
Restriction: Not open to students who have taken RELG 496
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 321
Credit Weight: 3
Transcript Title: Western Intellectual Tradition
Calendar Title: Western Intellectual Tradition.
Description: Introduces essential sources in western philosophy and theology; examines the interdependence of these disciplines in their historical development; exposes students to the means and methods of argumentation that will allow them to compare and contrast these sources, and to develop and defend their own positions with respect to them.
Notes: Prerequisite: U0 students must obtain permission from instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 322
Credit Weight: 3
Transcript Title: Church and Empire to 1300
Calendar Title: Church and Empire to 1300.
Description: A survey of major institutional developments in the history of Western Christianity in Church and Empire from the end of the apostolic age to 1300.
Notes: Fall
Schedule anytime on TR according to Prof. 'Unavailability'
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 323
Credit Weight: 3
Transcript Title: Church and State since 1300
Calendar Title: Church and State since 1300.
Description: Significant events and persons in the history of Western Christendom from 1300 to the present.
Notes: Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 325
Credit Weight: 3
Transcript Title: Varieties Rel Exp in Christnty  
Calendar Title: Varieties Religious Experience in Christianity.  
Description: 
A survey of varieties of religious experience in Christianity.  
Notes: 
Administering Faculty: Faculty of Arts  
Teaching Department: Religious Studies  
Status (catalog level): Active

RELG 326  
Credit Weight: 3  
Transcript Title: Christians in the Roman World  
Calendar Title: Christians in the Roman World.  
Description: 
A social-historical examination of Christians within the complex cultural, political, ethnic and religious contexts of later Greco-Roman antiquity, focusing on changing relations among different varieties of Christian, as well as on interactions and conflicts among Christians, Jews and polytheists. Other topics to be considered include martyrdom, orthodoxy and heresy, and Gnosticism.  
Symbols: ALTY - Taught in alternate years  
Notes: 
Administering Faculty: Faculty of Arts  
Teaching Department: Religious Studies  
Status (catalog level): Active

RELG 331  
Credit Weight: 3  
Transcript Title: Religion and Globalization  
Calendar Title: Religion and Globalization.  
Description: 
An exploration of the distinctive ways in which the world's religions are shaping and are shaped by the dynamics of globalization. It examines the multiple intersections of religion and globalization through a variety of themes and case studies in human rights, development, education, ecology, gender, and conflict  
Notes: 
Restriction: Not open to students who have taken RELG 319 when topic was "Religion and Globalization"  
Administering Faculty: Faculty of Arts  
Teaching Department: Religious Studies  
Status (catalog level): Active

RELG 332  
Credit Weight: 3  
Transcript Title: Convers Across World Religions  
Calendar Title: Conversations Across World Religions.  
Description: 
Exploration of various themes across the world's religions, including a range of living faith traditions.  
Notes: 
Prerequisite(s): One 200 level RELG course and permission of the instructor. Field trips to local religious communities may be included as part of the course.  
Administering Faculty: Faculty of Arts  
Teaching Department: Religious Studies  
Status (catalog level): Active

RELG 333
Credit Weight: 3
Transcript Title: Principles of Theology
Calendar Title: Principles of Theology.
Description:
An introduction to the central questions, claims, and categories of Christian
thought, considered in their narrative and credal context, with discussion of the
nature of theology and the relation between faith and reason.
Notes:
Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 334
Credit Weight: 3
Transcript Title: Theology of History
Calendar Title: Theology of History.
Description:
A study of Christian readings of history, and especially of the present age,
including apocalyptic literature and political theology.
Notes:
Winter and Summer
Prerequisite(s): One prior course in Christianity, or permission of the
instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 336
Credit Weight: 3
Transcript Title: Contemp Theological Issues
Calendar Title: Contemporary Theological Issues.
Description:
A study of contemporary theological issues. Topic varies by year.
Notes:
Winter
Prerequisite: 3 credits in Christianity or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 337
Credit Weight: 3
Transcript Title: Themes in Buddhist Studies
Calendar Title: Themes in Buddhist Studies.
Description:
A focused examination of major themes within a branch of Theravada, Mahayana or
Vajrayana Buddhism. Emphasis will be placed on both the close study of primary
texts (in translation) in historical context and the application of recent methods
to fundamental Buddhist concepts, ritual practices and community institutions.
Notes:
Summer
Prerequisite: RELG 252 or RELG 253 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
RELG 338
Credit Weight: 3
Transcript Title: Women & the Christian Tradition
Calendar Title: Women and the Christian Tradition.
Description: Survey of women's involvement in the Christian tradition. Topics include feminist interpretation of scripture, ideas of virginity, marriage and motherhood, mysticism, asceticisms, European witch hunts, contemporary women's liberation theories.
Notes:
Fall
Core course for the Women's Studies Minor program
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 341
Credit Weight: 3
Transcript Title: Intro: Philosophy of Religion
Calendar Title: Introduction: Philosophy of Religion.
Description: Introduction to the subject. Faith and reason, theistic arguments, values and destiny, the problem of evil, religious language.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 343
Credit Weight: 3
Transcript Title: Topics: Philosophy of Religion
Calendar Title: Topics: Philosophy of Religion.
Description: Selected topics in the philosophy of religion. Topic varies by year.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 344
Credit Weight: 3
Transcript Title: Mahayana Buddhism
Calendar Title: Mahayana Buddhism.
Description: Investigation of Mahayana schools of thought based on reading of key sutras and commentarial literature.
Notes:
Fall
Prerequisites: RELG 252 or RELG 253.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 348
Credit Weight: 3
Transcript Title: Classical Hinduism
Calendar Title: Classical Hinduism.
Description:
Surveys classical Hinduism through Sanskrit learning traditions. Topics include: Vedic literature, fables, ethics, statecraft, erotics, liberation, and epic literature.
Symbols: ALTY - Taught in alternate years
Notes:
All texts are read in English translation; no prior knowledge is assumed.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 350
Credit Weight: 3
Transcript Title: Bhakti Hinduism
Calendar Title: Bhakti Hinduism.
Description:
Foundation of theism in the Upanisads, Epics, Gita and puranas; image worship and temple religion in the Agamas; Vaisnavism, Saivism, Saktism, and competition with Buddhism and Jainism; the relation of Bhakti and Tantra; interaction of Hinduism, Islam, and Sikhism.
Notes:
Fall
Prerequisite: RELG 252 or permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 352
Credit Weight: 3
Transcript Title: Japanese Relig: Hist & Thought
Calendar Title: Japanese Religions: History and Thought.
Description:
This course provides an in-depth introduction to the religious traditions of Japan from the emerging of the Japanese state to the role of religion in contemporary Japan. Kami worship, the Buddhist tradition, Yin Yang divination, Confucianism, and the modern construct of Shinto are addressed in an interdisciplinary approach, taking into account insights from the fields of History, Literature, and Art.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
Prerequisite: RELG 253 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 353
Credit Weight: 3
Transcript Title: Gandhi: His Life and Thought
Calendar Title: Gandhi: His Life and Thought.
Description:
A study of the life and thought of Gandhi.
Notes:
Winter
RELG 354
Credit Weight: 3
Transcript Title: Chinese Religions
Calendar Title: Chinese Religions.
Description: Introduction to the diverse religiosities in the Chinese cultural sphere. Examination of the everyday practice of ancestor worship, longevity practices, morality, rituals, and the veneration of deities and spirits.
Notes:
Fall
Prerequisite: RELG 253

RELG 357D1
Credit Weight: 3
Transcript Title: Sanskrit 2
Calendar Title: Sanskrit 2.
Description: Advanced grammar and vocabulary with readings in epic and similar texts.
Notes:
Prerequisite: RELG 257 or permission of the instructor
Students must register for both RELG 357D1 and RELG 357D2.
No credit will be given for this course unless both RELG 357D1 and RELG 357D2 are successfully completed in consecutive terms

RELG 357D2
Credit Weight: 3
Transcript Title: Sanskrit 2
Calendar Title: Sanskrit 2.
Description: See RELG 357D1 for course description.
Notes:
Prerequisite: RELG 357D1
No credit will be given for this course unless both RELG 357D1 and RELG 357D2 are successfully completed in consecutive terms

RELG 358
Credit Weight: 3
Transcript Title: Religion and Cinema in India
Calendar Title: Religion and Cinema in India.
Description: Surveys religion in India through key films, assuming no prior knowledge of South Asian cinema. Discussions will focus on issues of religion, visual culture, and representation in the study of Indian film. Thematic focus will vary from year to
year, on a range of topics such as nationalism, devotion, secularism, and censorship.

Notes:
Restriction(s): Not open to students who have taken RELG 547 when topic was "Religion and Cinema in India".
This course may require additional contact hours for the screening of films.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 364
Credit Weight: 3
Transcript Title: Intermediate Tibetan 1
Calendar Title: Intermediate Tibetan 1.
Description:
Advanced Tibetan grammar, and translation of selected Tibetan texts.
Notes:
Fall
Prerequisite: RELG 265 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 365
Credit Weight: 3
Transcript Title: Intermediate Tibetan 2
Calendar Title: Intermediate Tibetan 2.
Description:
Continuation of advanced Tibetan grammar and translation of selected Tibetan texts.
Notes:
Winter
Prerequisite: RELG 364 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 366
Credit Weight: 3
Transcript Title: Rivers, Religion, & Enviro S-Asia
Calendar Title: Rivers, Religion, and Environment in South Asia.
Description:
This class explores the significance of major South Asian river systems, including Ganges, Indus, Brahmaputra, and Yamuna, in classical and contemporary terms. In Hindu scriptures, rivers may be incarnate, emplaced goddesses; in contemporary South Asia, rivers are central to Hindu pilgrimage while facing environmental pressures from pollution, overuse, flooding, and drought. Finally, rivers of the Indian subcontinent cross and delineate international boundaries, creating friction between India, Pakistan, and Bangladesh. As key lifelines shared in multi-religious South Asia, are rivers vulnerable wards of the state or valuable `citizens¿ who must be recruited to do their part?
Notes:
Prerequisite(s): RELG 252 or Permission of Instructor

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
RELG 368
Credit Weight: 3
Transcript Title: Japanese Religions: Pop Culture
Calendar Title: Japanese Religions in Pop Culture.
Description: Explores the representation of religion in today’s Japanese popular culture. Through the exploration of religious narratives, symbolism and concepts in manga, anime, film and short novels, students will study the way religion is perceived in contemporary Japan. The distinction between the secular and the sacred, and the clash between modernity and Japan’s pre-modern religious traditions will be examined from an historical, anthropological and literary point of view.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 369
Credit Weight: 3
Transcript Title: Tibetan Buddhism
Calendar Title: Tibetan Buddhism.
Description: Buddhism has been central to Tibetan culture and identity since the 7th century CE. This course introduces key aspects of the history and practices of Tibetan Buddhism, including: early history, political and sectarian developments, the spread of Tibetan Buddhism outside of Tibet, and the myth of "Shangri-La".
Notes: Winter
Prerequisite(s): RELG 252 or RELG 253
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 370
Credit Weight: 3
Transcript Title: Religion and Human Rights
Calendar Title: Religion and Human Rights.
Description: Social justice and human rights issues as key aspects of modern religious ethics. Topics include: the relationship of religion to the modern human rights movement; religious perspectives on the universality of human rights; the scope and limits of religious freedom; conflicts between religion and rights.
Notes: Winter
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 371
Credit Weight: 3
Transcript Title: Ethics of Violence/Non-Violence
Calendar Title: Ethics of Violence/Non-Violence.
Description: Forms of violence and the reaction of religious groups are assessed both for their effectiveness and for their fidelity to their professed beliefs. Different traditions, ranging from the wholesale adoption of violent methods (e.g., the
Crusades) to repudiation (e.g., Gandhi; the Peace Churches).

Notes:

Summer

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 372**

**Credit Weight:** 3

**Transcript Title:** Hindu Goddesses

**Calendar Title:** Hindu Goddesses.

**Description:**
The mythology, theology, soteriology, history, ritual, and texts of the
goddess-centred (Sakta) branches of Hinduism.

Notes:

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 373**

**Credit Weight:** 3

**Transcript Title:** Christian Ethics of Love

**Calendar Title:** Christian Ethics of Love.

**Description:**
This course will focus on the philosophical sources of love and on their uses by
Christian authors. By comparing both their premises and methods, we will see how
different authors in a particular tradition (Christianity) offer various answers
to the themes of love, friendship and charity.

Notes:

Winter

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 374**

**Credit Weight:** 3

**Transcript Title:** Topics: Philosophy of Religion

**Calendar Title:** Topics: Philosophy of Religion.

**Description:**
Selected topics in the philosophy of religion. Topic varies by year.

Notes:

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 375**

**Credit Weight:** 3

**Transcript Title:** Religion, Politics and Society

**Calendar Title:** Religion, Politics and Society.

**Description:**
A study of contemporary religious traditions in the light of debates regarding
secularization, the relation of religion and politics, and the interaction of
religion with major social institutions.

Notes:

Fall

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies
Status (catalog level): Active

RELG 376
Credit Weight: 3
Transcript Title: Religious Ethics
Calendar Title: Religious Ethics.
Description:
A discussion of ethical theory will provide the background for an analysis of the relationship between religious world views and moral reason. Attention will be given to the way in which the dominant religious traditions view the exemplars of religious virtue, and to how the virtues exemplified are related to and justified by the faith tradition in which they operate.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 378
Credit Weight: 3
Transcript Title: Pilgrimage, Heritage, &Tourism
Calendar Title: Pilgrimage, Heritage, and Tourism.
Description:
Explores the history of pilgrimage and emergence of religious tourism in global contexts. Introduces the religious heritage of Montreal and its history as a Roman Catholic pilgrimage centre (St. Joseph’s Oratory) and adopts thematic approaches to pilgrimage and tourism in interreligious perspectives (Hindu, Muslim, Sikh, Hindu, Buddhist, Christian, Jewish).
Notes:
Class work includes a local field visit
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 379
Credit Weight: 3
Transcript Title: Eastern Orthodox Christianity
Calendar Title: Eastern Orthodox Christianity.
Description:
Topics in the history, theology, spiritual practices, liturgical arts, and literatures of the Greek, Slavonic, Syriac, Coptic, Armenian, and related Christian traditions.
Notes:
Restriction(s): For U2 students and above and not open to students who have taken RELG 232.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 380
Credit Weight: 3
Transcript Title: Religion, Philosophy, Modernity
Calendar Title: Religion, Philosophy, Modernity.
Description:
Through primary source readings, this class will examine the intellectual history of this change, will identify the agents of this change, both philosophical and theological, and will consider the significance and implications of inhabiting a
'modernity' that is, and understands itself as, 'secular.' Charles Taylor's recent book, *A Secular Age*, narrates a historical development, from a 'pre-modern' condition, in which it was 'virtually impossible not to believe in and encounter God,' to a modern and contemporary situation in which 'faith is an embattled option.' Within the 'context of our self-understanding,' 'secularism' has become a 'default option.'

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 381**  
**Credit Weight:** 3  
**Transcript Title:** Adv. New Testament Greek  
**Calendar Title:** Advanced New Testament Greek.  
**Description:** A review of grammar and syntax with an emphasis on rapid reading of sections chosen from different parts of the New Testament.  
**Notes:** Fall  
Prerequisites: RELG 280, CLAS 222, or equivalent, with a minimum grade of 70%

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 382**  
**Credit Weight:** 3  
**Transcript Title:** Contemporary Theory of Religion  
**Calendar Title:** Contemporary Theory of Religion.  
**Description:** The key methodological controversies fueled by the systems of certain phenomenologists of religion (e.g., Rudolf Otto, Mircea Eliade, and Wilfred Cantwell Smith). The intellectual space that emerged as a result will be explored, in particular, the convergence of method and normativity in religious studies.  
**Notes:** Pre-requisite: RELG 207 is recommended  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 384**  
**Credit Weight:** 3  
**Transcript Title:** Religion and Public Policy  
**Calendar Title:** Religion and Public Policy.  
**Description:** The intersections between religion and public policy in the North American context. Examination of methodological issues at the junction of religious studies and public policy. Exploration of domestic policy issues related to the religious sphere such as religious freedom, inclusion and accommodation, as well as the evolving impact of diverse religious stakeholders in other policy sectors: education, health care, Indigenous rights, immigration, and the environment. The ways in which key aspects of foreign policy—defense, diplomacy, and development—require sustained engagement with the complexities of the religious terrain in diverse global contexts.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active
RELG 387
Credit Weight: 3
Transcript Title: Introduction to Jainism
Calendar Title: Introduction to Jainism.
Description:
This course provides an introduction to Jaina religious culture, including elements of its history, philosophy, cosmology, and monastic and lay practices. It also focuses on constructions of Jainism’s precept of universal non-violence (ahimsa), and addresses Jaina responses to contemporary social and ethical issues.
Notes:
Prerequisite(s): RELG 252
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Inactive

RELG 388
Credit Weight: 3
Transcript Title: Introduction to Sikhism
Calendar Title: Introduction to Sikhism.
Description:
An introduction to the historical and religious context in which the Sikh religion developed, its principal doctrines, practices and institutions and its evolution from its origins to the present, both inside and outside India.
Notes:
Prerequisite(s): RELG 252 or the permission of the instructor.
Restriction(s): Not open to students who have taken RELG 254.
1.Fall
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Inactive

RELG 390
Credit Weight: 6
Transcript Title: Elem Biblical Hebrew
Calendar Title: Elementary Biblical Hebrew.
Description:
An introduction to the grammar and syntax of Biblical Hebrew. Emphasis is placed on both the oral and the written language.
Notes:
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 390D1
Credit Weight: 3
Transcript Title: Elem Biblical Hebrew
Calendar Title: Elementary Biblical Hebrew.
Description:
An introduction to the grammar and syntax of Biblical Hebrew. Emphasis is placed on both the oral and the written language.
Notes:
Students must register for both RELG 390D1 and RELG 390D2. No credit will be given for this course unless both RELG 390D1 and RELG 390D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 390D2
Credit Weight: 3
Transcript Title: Elem Biblical Hebrew
Calendar Title: Elementary Biblical Hebrew.
Description:
See RELG 390D1 for course description.
Notes:
Prerequisite: RELG 390D1
No credit will be given for this course unless both RELG 390D1 and RELG 390D2 are successfully completed in consecutive terms.
RELG 390D1 and RELG 390D2 together are equivalent to RELG 390
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 398
Credit Weight: 3
Transcript Title: North American Christianity
Calendar Title: North American Christianity.
Description:
Introduction to four centuries of Christian history in North America, covering grassroots practices and public culture. Focus on key historical moments and movements, including Puritanism, evangelical revivalism, slavery and Civil Rights, modernism and fundamentalism, Mormonism, anti-Communism, and Pentecostalism.
Notes:
Restrictions: U0 students must obtain permission from instructor
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 399
Credit Weight: 3
Transcript Title: Christian Spirituality
Calendar Title: Christian Spirituality.
Description:
Seminar exploring the phenomena of internal religious experience in their relation to received formularies of Christian thought and practice.
Notes:
Summer
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 407
Credit Weight: 3
Transcript Title: The Writings
Calendar Title: The Writings.
Description:
A study of Job with some attention to Proverbs and Ecclesiastes (in English translation).
Symbols: ALTY - Taught in alternate years
Notes:
Winter
Prerequisites: RELG 202, or RELG 302 and RELG 303, or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 408
Credit Weight: 3
Transcript Title: The Prophets
Calendar Title: The Prophets.
Description:
A study of significant texts selected from the prophetic tradition in the Old Testament.

Notes:
Prerequisites: RELG 202, or RELG 302 and RELG 303

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 410
Credit Weight: 3
Transcript Title: Paul and His Legacy
Calendar Title: Paul and His Legacy.
Description:
An in-depth study of Paul and his letters in their primary historical context, and the legacy of both in the early history of Christianity. Exegesis of the authentic epistles in conversation with relevant scholarship; Pauline letter collections; Pauline influence in/on New Testament and other early Christian literature; early competition over Paul; and interpretive problems and defining hermeneutics in the reception of the Pauline Epistles.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 411
Credit Weight: 3
Transcript Title: New Testament Exegesis
Calendar Title: New Testament Exegesis.
Description:
A seminar in exegesis on the basis of representative passages chosen from different parts of the New Testament in English.

Notes:
Winter
Prerequisites: RELG 311 and RELG 312

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 419
Credit Weight: 3
Transcript Title: Religious Heritage and Tourism
Calendar Title: Religious Heritage and Tourism.
Description:
Introduction to heritage studies through the lens of religious studies, including spiritual, socio-economic, and political aspects of the expanding heritage phenomena, along with the contestations it can provoke. Topics include tourism,
museums, intangible heritage practices, ritualization, the repatriation and destruction of heritage objects.

Notes:
Prerequisites: RELG 378.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 422
Credit Weight: 3
Transcript Title: Medieval Religious Texts
Calendar Title: Medieval Religious Texts.
Description:
Investigation of the interaction of Neoplatonic, Peripatetic, and Aristotelian schools of thought with Judaism, Christianity, and Islam from the early medieval period down to the Renaissance and early stages of the western Enlightenment traditions.

Notes:
Pre-requisites: RELG 322 and RELG 323 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 423
Credit Weight: 3
Transcript Title: Reformation Thought
Calendar Title: Reformation Thought.
Description:
An examination of issues and persons in Europe and the British Isles that contributed to ecclesiastical and social change during the 16th and early 17th centuries.

Symbols: ALTY - Taught in alternate years

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 434
Credit Weight: 3
Transcript Title: Advanced Theology
Calendar Title: Advanced Theology.
Description:
Examination of the nature of theology, and particular theological loci, through readings in major theologians. The Lord's Prayer is added to the Nicene Creed as a second lens for theological study.

Notes:
Fall
Prerequisite(s): RELG 333 or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 440
Credit Weight: 3
Transcript Title: Global Islam
Calendar Title: Global Islam.
Description:
Western scholarship has oscillated between orientalizing Islam and co-opting it into the Western (Abrahamic) fold of religious traditions. The course will challenge both perspectives by exploring Islam’s dynamic unfolding across a variety of civilizational regions and during subsequent epochs. Its patterns of premodern globalization are nowadays retrieved, sometimes by fitting Islamic cultures into neoliberal patterns of globalization, more often by sidelining or overlaying the Westphalian system of sovereign nation-states. The course will show how Islamic traditions have, both in history and in the present, developed unique intellectual tools and practical resources to interface both with ‘radical’ (Abrahamic) and ‘dialogic’ (non-Abrahamic) religious traditions: from the West (also via labor-based migration), through Central and South Asia, to East and Southeast Asia.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 441
Credit Weight: 3
Transcript Title: Phenomenology of Religion
Calendar Title: Phenomenology of Religion.
Description: A study of the phenomenology of religion.
Notes: Prerequisite(s): RELG 341 or permission of the instructor.
Restriction(s): Not open to students who have taken RELG 351.

RELG 442
Credit Weight: 3
Transcript Title: Pure Land Buddhism
Calendar Title: Pure Land Buddhism.
Description: The concept of Buddha Countries and Pure Lands in Buddhism, the Western Pure Land of Amida (Jodokyo) and its basic scriptures, the Chinese Buddhist schools, the introduction to Japan and the foundation of the Pure Land school by Honen, the Pure Land School of Shinran and its development, and the other Pure Land related schools.
Notes: Prerequisite: six credits in EAST/RELG or permission of instructor

RELG 444
Credit Weight: 3
Transcript Title: Indian Ocean Relig Networks
Calendar Title: Indian Ocean Religious Networks.
Description: This seminar class explores cultural exchanges among maritime networks of Hindus, Buddhists, and Muslims in South Asia and Southeast Asia, in classical, pre-modern, and contemporary terms. Key themes to be considered include: sovereignty, society, and religion, within the context of historically evolving cultural relations around the Bay of Bengal. Taking an inter-religious approach to understanding maritime cultural interactions, class readings and discussion include:
foundational theories of ¿Indianization¿, reflection on ¿localization¿, the ¿Sanskrit cosmopolis¿, and emerging theoretical contributions based on current archaeological, epigraphic, and art historical discoveries in India, Malaysia, Singapore, and Indonesia. Deptl. approval: Nov.17, 2015.

Notes:
Prerequisite(s): RELG 252 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 445
Credit Weight: 3
Transcript Title: Modern Buddhism
Calendar Title: Modern Buddhism.
Description:
Examination of how Buddhist doctrines, practices, and texts are (re)interpreted in the process of rapid modernization and globalization, and how Buddhism plays a role in shaping societies, economics, and politics. The intellectual trends and ideologies that have shaped the representation of Buddhism as a philosophical, rational, and scientific world religion. How Buddhist ethics and doctrines are transformed in facing the challenges of modernity, including the Buddhist response to environmentalism, gender and sexuality, race, social activism, and war and peace.

Notes:
Prerequisite: RELG 252 or RELG 253

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 449
Credit Weight: 3
Transcript Title: The Religion of the Samurai
Calendar Title: The Religion of the Samurai.
Description:
The religious and philosophical developments within the samurai class throughout the Edo (1600-1868) and early Meiji periods (1868-1912), including: an inquiry into the rise of new Buddhist and Shinto schools, the influence of Neo-Confucianism, the development of nativism and finally the invention of the Bushido.

Notes:
Prerequisites: RELG 253 or RELG 352

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 450
Credit Weight: 3
Transcript Title: The Way of the Kami
Calendar Title: The Way of the Kami.
Description:
A historical and phenomenological approach to the study of Shinto, a Japanese Indigenous tradition. Analysis of the tradition¿s pre-modern and modern history, how Shinto changed over its long history and in what way the modern version of the tradition is different from or similar to its pre-modern counterpart. Exploration of the changing meaning and perception of the tradition. The significance of the kami for the pre-modern practitioner, and how the tradition is viewed today.

Notes:
Prerequisite: RELG 253

Administering Faculty: Faculty of Arts

Teaching Department: Religious Studies

Status (catalog level): Active

RELG 451

Credit Weight: 3

Transcript Title: Zen Buddhism: Poetry and Art

Calendar Title: Zen Buddhism: Poetry and Art.

Description:
A general overview of Japanese Zen Buddhism through the reading of poetry, diaries, sculpture and architecture.

Symbols: ALTY - Taught in alternate years

Notes:
Prerequisite: six credits in EAST/RELG or permission of instructor

Administering Faculty: Faculty of Arts

Teaching Department: Religious Studies

Status (catalog level): Active

RELG 453

Credit Weight: 3

Transcript Title: Vajrayana Buddhism

Calendar Title: Vajrayana Buddhism.

Description:
A study of Vajrayana (Tantric) Buddhism, approached predominantly through the genre of life writing/sacred biography.

Notes:
Prerequisite: RELG 344.

Administering Faculty: Faculty of Arts

Teaching Department: Religious Studies

Status (catalog level): Active

RELG 454

Credit Weight: 3

Transcript Title: Modern Hindu Thought

Calendar Title: Modern Hindu Thought.

Description:
A study of the developments in religious thought with special reference to such thinkers as Ram Mohan Roy, Dayananda Saraswati, Ramakrishna, Vivekananda, Gandhi, Tilak, Aurobindo, and Radhakrishnan.

Notes:
Winter

Prerequisite: RELG 252

Administering Faculty: Faculty of Arts

Teaching Department: Religious Studies

Status (catalog level): Active

RELG 455

Credit Weight: 3

Transcript Title: Relg&the Perf Arts in S India

Calendar Title: Religion and the Performing Arts in South India.

Description:
This course focuses on the place of religion in historical representations and performance practices of "classical" South Indian performing arts such as Bharatanatyam dance and Karnatak music. In particular, it lays emphasis on politics of the twentieth-century reinvention of these arts by elites in the Tamil...
and Telugu-speaking regions.

**Notes:**

Fall

Restriction: Not open to students who have taken RELG 363

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

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**RELG 456**

**Credit Weight:** 3

**Transcript Title:** Theories of Religion

**Calendar Title:** Theories of Religion.

**Description:**
The history of the academic study of religion from its beginnings in the 19th century until the present. Key texts by figures such as Max Muller, Sigmund Freud, Emile Durkheim, Max Weber, Mircea Eliade, Claude Levi-Strauss and Clifford Geertz will be studied.

**Symbols:** PRMT - Requires departmental approval

**Notes:**

Fall and Winter

Restriction: For Religious Studies Majors and Honours students or with permission of the Instructor.

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

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**RELG 457D1**

**Credit Weight:** 3

**Transcript Title:** Advanced Sanskrit

**Calendar Title:** Advanced Sanskrit.

**Description:**
Critical reading of selected Sanskrit texts.

**Notes:**
Prerequisite: RELG 357 or permission of instructor

Students must register for both RELG 457D1 and RELG 457D2.

No credit will be given for this course unless both RELG 457D1 and RELG 457D2 are successfully completed in consecutive terms

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

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**RELG 457D2**

**Credit Weight:** 3

**Transcript Title:** Advanced Sanskrit

**Calendar Title:** Advanced Sanskrit.

**Description:**
See RELG 457D1 for course description.

**Notes:**
Prerequisite: RELG 457D1

No credit will be given for this course unless both RELG 457D1 and RELG 457D2 are successfully completed in consecutive terms

**Administrating Faculty:** Faculty of Arts

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

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**RELG 459**

**Credit Weight:** 3
Transcript Title: Bhagavadgita & Mahabharata
Calendar Title: Bhagavadgita and Mahabharata.
Description:
Investigation of the history, diversity, and influence of the Mahabharata tradition, including the many lives of the Bhagavadgita, the Sanskrit epic itself as well as retellings from different religious and performative contexts. Topics explored include religious perspectives on death; debates about morality, violence, and political power; classical Indian aesthetics; devotional (bhakti) traditions; colonial and post-colonial constructions of religion; and contemporary reflections on caste and gender.
Notes:
Prerequisites: RELG 252 or RELG 254
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 464
Credit Weight: 3
Transcript Title: Advanced Tibetan 1
Calendar Title: Advanced Tibetan 1.
Description:
Translation of specially selected Tibetan texts.
Notes:
Fall
Prerequisite: RELG 365 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 465
Credit Weight: 3
Transcript Title: Advanced Tibetan 2
Calendar Title: Advanced Tibetan 2.
Description:
Continuation of translation of specially selected Tibetan texts.
Notes:
Winter
Prerequisite: RELG 464 or permission of the instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 470
Credit Weight: 3
Transcript Title: Theological Ethics
Calendar Title: Theological Ethics.
Description:
Examines ancient and modern sources of Christian moral thought against a backdrop of contemporary alternatives.
Notes:
Fall
Prerequisites: One course in theology or Christian thought and one course in philosophy or ethics.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
RELG 479
Credit Weight: 3
Transcript Title: Christianity in Global Perspective
Calendar Title: Christianity in Global Perspective.
Description: Examines varied expressions of Christianity as a global religion with a particular focus on Asia, Africa and Latin America from the 18th century to the present.
Notes: Winter
Prerequisite: A 300 level course in Christianity or permission of the Instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 482
Credit Weight: 3
Transcript Title: Exegesis of Greek New Testament
Calendar Title: Exegesis of Greek New Testament.
Description: An intensive seminar in exegesis on the basis of representative passages chosen from different parts of the New Testament.
Notes: Winter
Prerequisite: RELG 381 or equivalent, and RELG 311, RELG 312
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 489
Credit Weight: 3
Transcript Title: Joint Honours Thesis
Calendar Title: Joint Honours Thesis.
Description: Introduction to the research and writing of a Joint Honours thesis. Formulation of a coherent thesis based on independent research. Upon approval from adviser, production of a Joint Honours thesis based on original proposal.
Notes: Restrictions: Only open to students in the Joint Honours - Religious Studies Component program. Students must register for RELG 489 in their last term of study.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 490
Credit Weight: 6
Transcript Title: Honours Thesis
Calendar Title: Honours Thesis.
Description: Introduction to the research and writing of an Honours thesis. Formulation of a coherent thesis based on independent research. Upon approval from adviser, production of an Honours thesis based on original proposal.
Notes: Restriction: Restricted to students in the Honours Program in Religious Studies. Students must register for RELG 490 in their last term of study.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 491
Credit Weight: 3
Transcript Title: Biblical Hebrew Narratives
Calendar Title: Biblical Hebrew Narratives.
Description:
Exegesis and translation of certain narratives from the Masoretic text of the Hebrew Bible.
Notes:
Fall
Narratives to be determined by the instructor.

RELG 492
Credit Weight: 3
Transcript Title: Biblical Hebrew Poetry
Calendar Title: Biblical Hebrew Poetry.
Description:
Translation and exegesis of certain poetic passages of the Masoretic Hebrew Bible and or Qumran corpus.
Notes:
Winter
Passages to be determined by the instructor.

RELG 494
Credit Weight: 3
Transcript Title: B.Th. Honours Seminar 1
Calendar Title: B.Th. Honours Seminar 1.
Description:
Open to students in the final year of B.Th. Honours. Provides opportunity for advanced development of research interests and methods in the student's area of Honours specialization.
Notes:
Fall and Winter
Prerequisite: permission of the Chair of the B.Th. Committee

RELG 495
Credit Weight: 3
Transcript Title: B.Th. Honours Seminar 2
Calendar Title: B.Th. Honours Seminar 2.
Description:
Open to students in the final year of B.Th. Honours. Provides further opportunity for advanced development of research interests and methods in the student's area of Honours specialization.
Notes:
Fall and Winter
Prerequisite: RELG 494 and permission of the Chair of the B.Th. Committee

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 496
Credit Weight: 3
Transcript Title: Special Studies
Calendar Title: Special Studies.
Description: Special studies in Religious Studies. Topic varies by year.
Notes: Fall and Winter
Sanskrit 2. American Christianity and the History of Episcopal Church.

RELG 497
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: Research seminar in Religious Studies. Topic varies by year.
Notes: Fall and Winter
Students wishing to take this course must have the permission of the Religious Studies Adviser

RELG 498
Credit Weight: 3
Transcript Title: Special Studies
Calendar Title: Special Studies.
Description: Special studies in Religious Studies. Topic varies by year.
Notes: Fall and Winter
Prerequisite: permission of the Chair of the B.Th. Committee

RELG 502
Credit Weight: 3
Transcript Title: Greco-Roman Judaism
Calendar Title: Greco-Roman Judaism.
Description: The religion and literature of wisdom and apocalyptic traditions, the Dead Sea Scrolls, Philo and Josephus, with special attention to the Jewish matrix of Early Christianity.
Notes: Prerequisite: Permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 532
Credit Weight: 3
Transcript Title: History of Christian Thought 1
Calendar Title: History of Christian Thought 1.
Description: The development of Christian theology in the Patristic and Medieval periods. Focus on the controversial development of Christian doctrines and disciplines through intensive exposure to primary texts.
Notes:
Prerequisite: At least six (6) credits at the 300 level in Christianity or the Christian Bible.
Restriction: Not open to students who have taken RELG 320

RELG 533
Credit Weight: 3
Transcript Title: History of Christian Thought 2
Calendar Title: History of Christian Thought 2.
Description: The development of Christian theology in the Reformation, Post Reformation and Modern periods through intensive exposure to primary texts.
Notes:
Fall
Prerequisite: At least six (6) credits at the 300 level in Christianity or the Christian Bible.
Restriction: Not open to students who have taken RELG 327

RELG 535
Credit Weight: 3
Transcript Title: Currents in Philosophy of Relg
Calendar Title: Currents in Philosophy of Religion.
Description: This seminar brings to bear work of theorists of religion on the philosophy of religion and on theology. It features issues of method that overlap with stages in the study of religion common to both the social sciences and humanities.
Notes:
Prerequisite: RELG 456 or RELG 555 or permission of instructor
Restrictions: Open to graduate students, final year honours undergraduates, and final year undergraduates with instructor permission.

RELG 544
Credit Weight: 3
Transcript Title: Ethnography as Method in RelSt
Calendar Title: Ethnography as Method in Religious Studies.
Description:
Ethnography as method informs disciplines from Area Studies and anthropology to linguistics and religious studies. Students will acquire a critical perspective on emic/etic subjectivity in Religious Studies, and a framework to apply ethnography in their research. Coursework covers classic ethnographies, new interventions, and ethnographies of particular relevance for religious traditions in a given year.

Notes:
Prerequisite(s): A minimum of six credits in 300 level RELG courses and/or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 545
Credit Weight: 3
Transcript Title: Ramayana: Multiple Lives
Calendar Title: Ramayana: Multiple Lives.
Description:
Focus on the Rama story in South Asia. Exploration of the multiple versions of the narrative from classical Sanskrit textual versions, to rural vernacular retellings, to contemporary TV versions, and examination of the various religious, social, cultural and political significations of the narrative in these contexts.

Notes:
Winter
Prerequisite: RELG 252 Hinduism & Buddhism

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 546
Credit Weight: 3
Transcript Title: Indian Philosophy
Calendar Title: Indian Philosophy.
Description:
Introduction to the orthodox systems of Hindu Philosophy leading up to Vedanta i.e., Nyaya, Vaisesika, Sankhya, Yoga and Mimamsa, which will include discussion of such topics as: grounds for belief and disbelief in God, the nature of revelation, means of knowledge, etc.

Notes:
Prerequisites: 6 credits in Indian religions, philosophy of religion, philosophy, or permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 547
Credit Weight: 3
Transcript Title: Special Topics in Hinduism
Calendar Title: Special Topics in Hinduism.
Description:
A research-oriented seminar dealing with topics in Hindu studies.

Notes:
Fall and Winter
Prerequisites: 6 credits in Indian religions, philosophy of religion, philosophy, or permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 548
Credit Weight: 3
Transcript Title: Indian Buddhist Philosophy
Calendar Title: Indian Buddhist Philosophy.
Description:
The rise of buddhist schools of philosophy, especially the Theravada and Sauntrantika, as an attempt to systematize the canonical teachings and defend Buddhism against its critics.
Notes:
Prerequisites: RELG 252 or RELG 342 or permission of instructor

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 549
Credit Weight: 3
Transcript Title: Japanese Buddhism: Hist Cont
Calendar Title: Japanese Buddhism in Historical Context.
Description:
This research-oriented seminar critically analyses key-questions from the field of pre-modern Japanese Buddhism. By engaging with recent research, students are expected to adopt an interdisciplinary approach and address questions and methodologies from both History and Buddhist Studies.
Symbols: ALTY – Taught in alternate years
Notes:
Prerequisites: RELG 344, or RELG 451, or permission of the instructor.
Note: Taught in alternate years.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 551
Credit Weight: 3
Transcript Title: Special Topics in Buddhism
Calendar Title: Special Topics in Buddhism.
Description:
A research-oriented seminar dealing with topics in Buddhist studies.
Notes:
Fall and Winter
Prerequisite: RELG 344 or Permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 552
Credit Weight: 3
Transcript Title: Advaita Vedanta
Calendar Title: Advaita Vedanta.
Description:
The relation of Nyaya-Vaisesika and Mimamsa to Kevaladvaita with concentration on Sankara's Brahmasutrabhasya, Pada 1 and 2.
Notes:
Prerequisites: 6 credits in Indian religions
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 555
Credit Weight: 3
Transcript Title: Honours Seminar
Calendar Title: Honours Seminar.
Description: Current trends in the study of religion, including the approaches of critical theory, feminism, post-modernism, and post-colonialism.
Notes: Winter
Restriction: For Religious Studies Honours students or with permission of the Chair of the Religious Studies B.A. Committee

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 556
Credit Weight: 3
Transcript Title: Issues in Buddhist Studies
Calendar Title: Issues in Buddhist Studies.
Description: A graduate seminar taught by the Numata Visiting Professor on critical issues in contemporary Buddhist Studies. Emphasis will be placed on the intensive application of different methods - philological, philosophical or social scientific - to some area of modern Buddhist research.
Notes: Fall
Prerequisite: permission of instructor
Topic for Fall 2023: Power, Justice, and Identity in American Buddhism. It will explore what issues such as racial justice, LGBTQI+ inclusivity, sexual abuse, and class and capitalism reveal about authenticity and authority in contemporary Buddhism as well as consider the role of the academic study of Buddhism in religious boundary making.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 558
Credit Weight: 3
Transcript Title: Indian Tantric Traditions
Calendar Title: Indian Tantric Traditions.
Description: Study of esoteric Tantric culture (philosophy, ritual, pilgrimage, art, and iconography) with focus on either Hindu or Buddhist Tantric traditions.
Notes: Prerequisites: Any two 300-level courses in Hinduism or Buddhism.

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 559
Credit Weight: 3
Transcript Title: Caste & Dalits: Hist&Poli Persp
Calendar Title: Caste and Dalits: Historical and Political Perspectives.

Description:
This seminar addresses religion, caste, and the Dalit community (formerly known as "untouchables" in India through a range of historical and ritual contexts. Topics include representation in the Hindu textual tradition, colonialism, conversion, caste-based violence, caste and nationalism, non-Brahmin political assertion, and the contemporary reservation system.

Notes:
Winter
Prerequisites: RELG 252 and one 300 level course or higher in South Asian Religions

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 560
Credit Weight: 3
Transcript Title: Buddhist Poetry
Calendar Title: Buddhist Poetry.

Description:
Since the time of Buddha, poetry has been used by Buddhist to express devotion, to compose philosophical treatises, and to communicate insight into the experience of awakening. The seminar's content will vary, treating the history, poetics, aesthetics, roles and genres of Buddhist poetry in India, Tibet, China and Japan.

Notes:
Prerequisite (s): RELG 252 or RELG 253 or RELG 344 or permission of the instructor
This course is expected to be offered every 3 years
Readings will be English translations of the original texts

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 571
Credit Weight: 3
Transcript Title: Ethics, Medicine and Religion
Calendar Title: Ethics, Medicine and Religion.

Description:
The seminar will discuss a variety of topics related to medicine and religion from the point of view of ethics, such as the pact of care between a patient and a physician, the Hippocratic oath, the notions of autonomy and vulnerability, the definitions of personhood and human dignity, the question of rights for people with cognitive disabilities, the debate about the role of religion in bioethics.

Notes:

Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 572
Credit Weight: 3
Transcript Title: Religion and Global Politics
Calendar Title: Religion and Global Politics.

Description:
An exploration of the resurgence of global religions in geo-political and international relations in the post Cold-War era. It examines the complex roles that religious traditions play in democratization, human rights, conflict, and
development.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 573**  
**Credit Weight:** 3  
**Transcript Title:** Religions in Global Society  
**Calendar Title:** Religions in Global Society.  
**Description:**  
This seminar is devoted to the study of a plurality of often intersecting religious traditions in a globalizing world, based on interdisciplinary scholarship drawing from history, sociology, anthropology and archaeology. It starts from locating religious phenomena within intersecting social, cultural and political fabrics around the world. It articulates the relation between a multi-faith appreciation of the role of religions in a variety of societies and the emergence of diverse patterns of secularity in them. It facilitates a rich understanding of a complex past to shed light on the new challenges of globalization, including the opening of horizons of postsecular understandings and arrangements.

**Notes:**  
Prerequisite(s): RELG 208 or RELG 331 or permission of instructor  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 582**  
**Credit Weight:** 3  
**Transcript Title:** Topics: Christian Liturgy&Mus  
**Calendar Title:** Topics in Christian Liturgy and Music.  
**Description:**  
Topics in the history and practice of liturgy and church music with attention to hymnody, principles of liturgical change, interrelation of music and liturgy, and interpretations of scripture and theologies within church music, with relation to particular periods and settings in the history of Christianity.

**Notes:**  
Prerequisite: One 300-level MUHL course or RELG 322 or RELG 323 or permission of the instructor  
Restriction: Not open to students who are taking or have taken MUHL 590  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active

**RELG 583**  
**Credit Weight:** 3  
**Transcript Title:** Hellenistic Religious Texts  
**Calendar Title:** Hellenistic Religious Texts.  
**Description:**  
Translation and discussion of Hellenistic Greek texts pertaining to the study of topics in Early Christianity and Greco-Roman religions.

**Notes:**  
Winter  
Prerequisite: RELG 482 or permission of the instructor.  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Religious Studies  
**Status (catalog level):** Active
RELG 602
Credit Weight: 3
Transcript Title: Theory in Religious Ethics
Calendar Title: Theory in Religious Ethics.
Description: Basic theories in philosophical and religious ethics.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 605
Credit Weight: 3
Transcript Title: Inter of Rel&Faith of Anc Isra
Calendar Title: Interpreters of Religion and Faith of Ancient Israel.
Description: A study of how the biblical tradition has been analyzed and evaluated by outstanding scholars.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 611
Credit Weight: 3
Transcript Title: Pauline Theology
Calendar Title: Pauline Theology.
Description: A study of the nature, background, origins, development and expression of the theological ideas in the Pauline literature and the connection between these ideas and other early Christian thought.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 619
Credit Weight: 3
Transcript Title: Relig Herit&the Public Sphere
Calendar Title: Religious Heritage and the Public Sphere.
Description: Introduction to heritage studies through the lens of religious studies, including the spiritual, socio-economic, and political aspect of the expanding heritage phenomena, along with the contestations it can provoke. Exploration of the historical trajectory of heritage creation and legalization over the last two centuries, much of which concerns sacred objects, along with contemporary examples from around the world and in Montreal. Topics include tourism, museums, intangible heritage practices, ritualization, the repatriation and destruction of heritage objects.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 621
Credit Weight: 3
Transcript Title: Patristic Studies
Calendar Title: Patristic Studies.
Description:
Selected texts of patristic theology and history of the early Christian Church from Irenaeus to Boethius.

Notes:
Restrictions: M.A., S.T.M., or Ph.D. students only

Administrating Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 622
Credit Weight: 3
Transcript Title: Medieval Studies
Calendar Title: Medieval Studies.
Description:
Selected religious and theological texts from Boethius to Nicholas of Cusa.
Notes:
Restrictions: M.A., S.T.M., or Ph.D. students only. Not open to students who have taken RELG 731

Administrating Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 624
Credit Weight: 3
Transcript Title: Reformation Studies
Calendar Title: Reformation Studies.
Description:
Selected texts of Reformation and Counter-Reformation theology and history.
Notes:
Restrictions: M.A., S.T.M., Ph.D. students only. Not open to students who have taken RELG 731.

Administrating Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 626
Credit Weight: 3
Transcript Title: Reformation: Secular Dimensions
Calendar Title: Reformation: Secular Dimensions.
Description:
A study of major contributions to political theology from the late fifteenth to the mid-seventeenth centuries. This course will examine Reformation discourse on law and civil power and will aim to interpret the development of secularity in this period.

Administrating Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 629
Credit Weight: 3
Transcript Title: Primary Text: Aramaic
Calendar Title: Primary Text: Aramaic.
Description:
Religious texts in Aramaic, with particular attention to the problems of translation and interpretation as they apply to the student's thesis research.
Notes:
Prerequisite: Basic reading knowledge of Aramaic or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 630
Credit Weight: 3
Transcript Title: Theological Foundations
Calendar Title: Theological Foundations.
Description:
Readings and discussions of theologians from the formative periods of Christian thought, with attention to the history of philosophy, ethics and dogma.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 640
Credit Weight: 3
Transcript Title: Primary Text: Biblical Hebrew
Calendar Title: Primary Text: Biblical Hebrew.
Description:
Religious texts in Biblical Hebrew, with particular attention to the problems of translation and interpretation as they relate to the student's thesis research.

Notes:
Prerequisite: Basic reading knowledge of Biblical Hebrew or permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 642
Credit Weight: 3
Transcript Title: Contemp Philosophy of Religion
Calendar Title: Philosophy of Religion in the 21st Century.
Description:
The course is dedicated to the examination of selected contemporary authors in the field of philosophy of religion.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 643
Credit Weight: 3
Transcript Title: Probs:Philosophy of Religion
Calendar Title: Problems: Philosophy of Religion.
Description:
Faith and skepticism.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 644
Credit Weight: 3
Transcript Title: Biblical Theology
Calendar Title: Biblical Theology.
Description:
Tutorials and guided reading in the field of biblical theology.
Notes:
Restriction(s): Only open to students in the S.T.M.; Non-Thesis program. Not open to students who have taken RELG 520.

Fall and Winter

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 645
Credit Weight: 3
Transcript Title: Methods in Religious Studies
Calendar Title: Methods in Religious Studies.
Description:
Theoretical and methodological approaches to the study of religion, including: historical studies/textual hermeneutics; ritual/performance studies; and religion and modernity.
Notes:
Note: Restricted to M.A. students in Religious Studies, except with permission of the instructor.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 646
Credit Weight: 6
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description:
An analysis of the research approaches of certain designated interdisciplinary fields of study. These independent studies are structured to provide students with the necessary research skills in their adopted interdisciplinary studies and will be presented in the form of a project to be determined by the student and Area studies professor.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 647
Credit Weight: 6
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description:
An analysis of the research approaches of certain designated interdisciplinary fields of study. These independent studies are structured to provide students with the necessary research skills in their adopted interdisciplinary studies and will be presented in the form of a project to be determined by the student and Area studies professor.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 648
Credit Weight: 3
Transcript Title: Church History
Calendar Title: Church History.
Description:
Tutorials and guided reading in the field of church history.

Notes:
Restriction(s): Only open to students in the S.T.M.; Non-Thesis program. Not open to students who have taken RELG 530.
Fall and Winter
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 649
Credit Weight: 3
Transcript Title: Primary Text: Coptic
Calendar Title: Primary Text: Coptic.
Description:
Religious texts in Coptic, with particular attention to the problems of translation and interpretation as they apply to the student's thesis research.
Notes:
Prerequisite: RELG 280, CLAS 222, or equivalent; Basic reading knowledge of Coptic or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 652
Credit Weight: 3
Transcript Title: Christian Theology
Calendar Title: Christian Theology.
Description:
Tutorials and guided reading in the field of Christian theology.
Notes:
Restriction(s): Only open to students in the S.T.M.; Non-Thesis program. Not open to students who have taken RELG 531.
Fall and Winter
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 653
Credit Weight: 3
Transcript Title: Philosophy of Religion
Calendar Title: Philosophy of Religion.
Description:
Tutorials and guided reading in the field of philosophy of religion.
Notes:
Restriction(s): Only open to students in the S.T.M.; Non-Thesis program. Not open to students who have taken RELG 540.
Fall and Winter
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 656
Credit Weight: 3
Transcript Title: Theological Ethics
Calendar Title: Theological Ethics.
Description:
Tutorials and guided reading in the field of theological ethics.

Notes:
Restriction(s): Only open to students in the S.T.M.; Non-Thesis program. Not open to students who have taken RELG 541.

Fall and Winter
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 657D1
Credit Weight: 3
Transcript Title: Introductory Sanskrit
Calendar Title: Introductory Sanskrit.
Description: To develop advanced basic language and reading skills.
Notes: Students must register for both RELG 657D1 and RELG 657D2
No credit will be given for this course unless both RELG 657D1 and RELG 657D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 657D2
Credit Weight: 3
Transcript Title: Introductory Sanskrit
Calendar Title: Introductory Sanskrit.
Description: See RELG 657D1 for course description.
Notes: Prerequisite: RELG 657D1
No credit will be given for this course unless both RELG 657D1 and RELG 657D2 are successfully completed in consecutive terms

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 659
Credit Weight: 3
Transcript Title: Many Mahabharatas
Calendar Title: Many Mahabharatas.
Description: Investigation of the many lives of the Mah¿bh¿rata, including primary sources (in translation) and key secondary works on the history and historiography of the Mah¿bh¿rata tradition. The Bhagavadg¿t¿ and its influential reception history across the globe. Topics explored include religious perspectives on death; debates about dharma, political power, and morally justified violence; classical Indian aesthetics; devotional (bhakti) traditions; colonial and post-colonial constructions of religion; and contemporary debates about caste and gender.

Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 660
Credit Weight: 3
Transcript Title: M.A. Research Paper 1
Calendar Title: M.A. Research Paper 1.
Description: The writing of the research paper.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 661
Credit Weight: 3
Transcript Title: M.A. Research Paper 2
Calendar Title: M.A. Research Paper 2.
Description: The writing of the research paper.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 662
Credit Weight: 3
Transcript Title: M.A. Research Paper 3
Calendar Title: M.A. Research Paper 3.
Description: The writing of the research paper.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 663
Credit Weight: 3
Transcript Title: Comparative Religion
Calendar Title: Comparative Religion.
Description: Tutorials and guided reading in the field of comparative religion.
Notes: Restriction(s): Only open to students in the S.T.M.; Non-Thesis program. Not open to students who have taken RELG 550.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 665
Credit Weight: 3
Transcript Title: Primary Text: Sanskrit 1
Calendar Title: Primary Text: Sanskrit 1.
Description: The Sanskrit alphabet, basic morphology and syntax of the classical language. Reading and analysis of passages from the Hindu epics and fable literature.
Notes: Prerequisite: Basic reading knowledge of Sanskrit or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 666
Credit Weight: 3
Transcript Title: Primary Text: Sanskrit 2
Calendar Title: Primary Text: Sanskrit 2.
Description:
Focus on development of greater speed and accuracy in reading poetry, mythology and philosophical texts, basic grammar, an introduction to the Sanskrit grammarians, analysis of word formation and compound formation, and to the conventions of commentators.
Notes:
Prerequisite: Basic reading knowledge of Sanskrit or RELG 665 or permission of instructor
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 667
Credit Weight: 3
Transcript Title: Readings in Indic Texts 1
Calendar Title: Readings in Indic Texts 1.
Description:
Advanced course in critical reading of Sanskrit and/or other Indian texts.
Notes:
Prerequisite: RELG 457D1/D2 or equivalent or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 668
Credit Weight: 3
Transcript Title: Readings in Indic Texts 2
Calendar Title: Readings in Indic Texts 2.
Description:
Continued critical reading of Sanskrit and/or other Indian texts.
Notes:
Prerequisite: RELG 457D1/D2 or equivalent or permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 669
Credit Weight: 3
Transcript Title: Primary Text: Tibetan
Calendar Title: Primary Text: Tibetan.
Description:
Comparison of original Sanskrit texts with their Tibetan translations. For advanced students of Sanskrit who wish to learn to consult Tibetan translations of Buddhist texts originally written in Sanskrit.
Notes:
Prerequisite: RELG 357 or permission of the instructor
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 674
Credit Weight: 3
Transcript Title: Tibet Life Writ: MakgSacrdLives
Calendar Title: Tibetan Life Writing: Making Sacred Lives.
Description:
An in-depth exploration of the development and uses of life writing (auto/biography and hagiography) in the Tibetan context.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 677**

**Credit Weight:** 3

**Transcript Title:** Buddha & Kami: Japanese Religions

**Calendar Title:** Buddha and Kami in Japanese Religions.

**Description:**
An advanced approach to the combinatory practice of `shinbutsu¿, or `kami and buddha¿. Exploration of the interaction and integration of Buddhist and Shinto beliefs from historical, religious and anthropological points of view.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 679**

**Credit Weight:** 3

**Transcript Title:** Research in Interfaith Studies

**Calendar Title:** Research in Interfaith Studies.

**Description:**
This seminar takes full measure of the complex entanglements of religious and cultural traditions in history and the present. It explores the interaction of diverse yet intersecting universes of practice and meaning originating from notions of transcendence but embracing various spheres of human and social activities, from the arts through trade to healing. It pays particular attention to the relational and networked nature of religious formation and its contestability and reformability across a diverse spectrum of life-orientational commitments and disciplines of the body.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 680**

**Credit Weight:** 3

**Transcript Title:** Old Testament Research

**Calendar Title:** Old Testament Research.

**Description:**
A survey of research in the Old Testament.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Religious Studies

**Status (catalog level):** Active

**RELG 681**

**Credit Weight:** 3

**Transcript Title:** Research in New Testament

**Calendar Title:** Research in New Testament.

**Description:**
A survey of research in the New Testament.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Religious Studies

**Status (catalog level):** Active
Credit Weight: 3
Transcript Title: Research in Christian Theology
Calendar Title: Research in Christian Theology.
Description: Theologies of Religious Pluralism.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 684
Credit Weight: 3
Transcript Title: Research in Philosophy of Religion 1
Calendar Title: Research in Philosophy of Religion 1.
Description: A survey of research in the philosophy of religion.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 685
Credit Weight: 3
Transcript Title: Research in Ethical Problems
Calendar Title: Research in Ethical Problems.
Description: A survey of research in ethical problems.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 687
Credit Weight: 3
Transcript Title: Research in Comparative Religion 1
Calendar Title: Research in Comparative Religion 1.
Description: A survey of research in comparative religion.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 688
Credit Weight: 3
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 689
Credit Weight: 3
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description: Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 690
Credit Weight: 3
Transcript Title: Old Testament Research
Calendar Title: Old Testament Research.
Description: A survey of research in the Old Testament.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 692
Credit Weight: 3
Transcript Title: Research: History of Christianity
Calendar Title: Research: History of Christianity.
Description: A survey of research in the history of Christianity.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 693
Credit Weight: 3
Transcript Title: Research in Christian Theology
Calendar Title: Research in Christian Theology.
Description: Theologies of Religious Pluralism.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 694
Credit Weight: 3
Transcript Title: Res in Phil of Religion 2
Calendar Title: Research in Philosophy of Religion 2.
Description: A survey of research in the philosophy of religion.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 695
Credit Weight: 3
Transcript Title: Research in Ethical Problems
Calendar Title: Research in Ethical Problems.
Description:
A survey of research in ethical problems.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 698
Credit Weight: 9
Transcript Title: Thesis Research 3
Calendar Title: Thesis Research 3.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 699
Credit Weight: 12
Transcript Title: Thesis Research 4
Calendar Title: Thesis Research 4.
Description:
Independent research work under the direction of the Thesis Supervisor and the Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 701
Credit Weight: 0
Transcript Title: Major Comprehensive Exam
Calendar Title: Major Comprehensive Examination.
Description:
The Major Comprehensive Examination tests whether the doctoral student has the professional scholar's grasp of the entire field of specialization.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 702
Credit Weight: 0
Transcript Title: Minor Comprehensive Exam
Calendar Title: Minor Comprehensive Examination.
Description:
The Minor Comprehensive Examination tests the doctoral student's knowledge and understanding of a secondary field which is cognate or comparative to the field of specialization.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 703
Credit Weight: 0
Transcript Title: Oral Comprehensive Examination
Calendar Title: Oral Comprehensive Examination.
Description:
The Oral Comprehensive Examination clarifies and supplements the written comprehensive examination(s).
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 745
Credit Weight: 3
Transcript Title: Understanding Relig Studies
Calendar Title: Understanding Religious Studies.
Description:
Interdisciplinary seminar on the concept of religious studies.
Notes:
Restriction: This course is available only to students in Ph.D. 2 or higher
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 751
Credit Weight: 3
Transcript Title: Tutorial on a Selected Topic
Calendar Title: Tutorial on a Selected Topic.
Description:
Individualized guided research on an approved topic.
Administering Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active
RETL 402
Credit Weight: 3
Transcript Title: Innovations in Retailing
Calendar Title: Innovations in Retailing.
Description: Exploration of emerging trends, consumer behaviour and technologies and how they can lead to retail innovations that can significantly improve operational efficiency, customer satisfaction and provide a foundation for a sustainable and improved society.
Notes: Prerequisite(s): MGCR 352
Restricted to U2 & U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

RETL 407
Credit Weight: 3
Transcript Title: Retail Management Project
Calendar Title: Retail Management Project.
Description: A team-based, experiential project that involves defining actual problems and recommending solutions in the realm of an organization, or at the interface of different organizations (e.g. supply chains), including strategic and operational issues in retail management. Each project is multidisciplinary or multi-functional in nature and will have significant impact on one or more operational/competitive capabilities of the organization.
Notes: Prerequisite(s): MGCR 271 or equivalent or MGCR 352
Restricted to U2 & U3 students.
The instructors will make sure that the workload of the project is commensurate with the course credit and team size.
The instructors will also be involved during the course as advisers, progress reviewers, logistics coordinators, evaluators, and will serve as liaison between the companies and the teams
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

RETL 408
Credit Weight: 3
Transcript Title: Omni-Channel Retailing
Calendar Title: Omni-Channel Retailing.
Description: Introduction to the fundamentals and different problems in the operations process of omni-channel retailing. The focus will be on multi-channel supply chain management and integration. Combination of theoretical models with study cases and data to review the challenges and solutions in omni-channel retailing.
Notes: Prerequisite: MGCR 271 or equivalent
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

RETL 409
Credit Weight: 3
Transcript Title: Digitization of Retailing
Calendar Title: Digitization of Retailing.
Description:
Exploration of digital retailing models such as e-commerce marketplace, freemium, and peer-to-peer two-sided marketplace. Examination of how digital technology is driving innovation in these models, and how the models can improve competitiveness, operational efficiency and customer satisfaction.
Notes:
Prerequisite: MGCR 352
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

RETL 410
Credit Weight: 3
Transcript Title: Sust Retail & Entrepreneurship
Calendar Title: Sustainable Retail and Entrepreneurship.
Description:
Stages of developing a business concept in sustainability and retail. The experiential learning component culminates in a competition where student teams will pitch their business ideas to a panel of external business experts.
Notes:
Restrictions: Open to U2 & U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

RETL 434
Credit Weight: 3
Transcript Title: Topics in Retail Management
Calendar Title: Topics in Retail Management.
Description:
Topics will be selected from current and emerging issues in retail management.
Notes:
Prerequisite(s): MGCR 352
Restricted to U2 & U3 students.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active

RETL 601
Credit Weight: 3
Transcript Title: Foundations of Retailing
Calendar Title: Foundations of Retailing.
Description:
Consumer behaviours, emerging trends, technologies and financial approaches to sustainability, and how they can lead to retail innovations that can significantly improve operational efficiencies, competitiveness, customer satisfaction and provide foundation for a better society.
Notes:
Corequisite: RETL 603
Restructure: Open only to Master's students within the Desautels Faculty of Management
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
RETL 603
Credit Weight: 3
Transcript Title: Retail Science & Data Analytics
Calendar Title: Retail Science and Data Analytics.
Description:
Basic statistical techniques and methodologies including sampling, regression, classification methods, machine learning, and predictions using real cases and data sets across several retail sectors such as real estate, restaurant, entertainment and ecommerce. Conducting predictions using real cases and datasets across several retail sectors.
Notes:
Corequisite: RETL 601
Restriction: Open only to Master's students within Desautels Faculty of Management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 611
Credit Weight: 3
Transcript Title: 360-Degree Customer Insight
Calendar Title: 360-Degree Customer Insight.
Description:
Key customer concepts and frameworks such as choice models, judgment heuristics, satisfaction models, brand equity models, and theories of persuasion; including cutting edge data analytics relevant to customers such as marketing experiments, observational analysis, physiological/neurological responses, online sentiment, and satisfaction modeling.
Notes:
Restriction: Open only to masters' students within the Desautels Faculty of Management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 613
Credit Weight: 3
Transcript Title: Digital Retailing Models
Calendar Title: Digital Retailing Models.
Description:
The role of IT in acquiring retail consumers, digital business models, emergent technologies in e-Business, and various IT-enabled innovations including digital platforms, and online community business models.
Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 615
Credit Weight: 3
Transcript Title: Managing Retail Operations
Calendar Title: Managing Retail Operations.
Description:

Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 617
Credit Weight: 3
Transcript Title: Managing for Sustainability
Calendar Title: Managing for Sustainability.
Description:

Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 621
Credit Weight: 6
Transcript Title: Retail Internship
Calendar Title: Retail Internship.
Description:
An internship of at least 150 hours with a host retail company. The internship is centered on a mutual agreement between the candidate, the participating company, and the course professor.

Notes:
Prerequisite(s): RETL 601, RETL 603
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 625
Credit Weight: 3
Transcript Title: Experiential Retail
Calendar Title: Experiential Retail.
Description:
Retail project on analytics in collaboration with a retail company. Retail seminar on emerging retail issues. Retail case challenge to investigate problems and to develop solutions on retail topics.
Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 631
Credit Weight: 3
Transcript Title: Digital Media Marketing
Calendar Title: Digital Media Marketing.
Description:

Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 633
Credit Weight: 3
Transcript Title: Data-Driven Retail Decisions
Calendar Title: Data-Driven Retail Decisions.
Description:
Business decision types, including supply chain management, pricing and promotions, revenue management, inventory policies, and assortment decisions. The applications of machine learning, optimization, and data analytics on retail problems.

Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 635
Credit Weight: 3
Transcript Title: Creativity & Experiential Economy
Calendar Title: Creativity and Experiential Economy.
Description:
An interdisciplinary perspective on creativity and experiential retail. Focused themes based on the core dimensions of creativity, including the individual, creativity as a social process and the output of this creative process.

Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management

Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 637
Credit Weight: 3
Transcript Title: Innovative Retail Technology
Calendar Title: Innovative Retail Technology.
Description:
Examination of the value of computer vision (i.e., "visual listening") and Internet-of-Things (IoT) in retail setting, including basic personalization and targeting retailing strategies, and designing IoT strategies and assessing the impact of technologies on business outcomes as well as the ethical and privacy implications.
Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 641
Credit Weight: 3
Transcript Title: Fashion Retail Management
Calendar Title: Fashion Retail Management.
Description:
The key differences and success factors in fashion, beauty and luxury industries, including personalization, tools of communication, power of social media and key opinion leaders, the importance of brand, the creative process, merchandising and inventory management, distribution and retail operation, financial and investment decisions, talent management, and environmental and social responsibility.
Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 643
Credit Weight: 3
Transcript Title: Fintech and Financial Services
Calendar Title: Fintech and Financial Services.
Description:
The capabilities of blockchains for payments, ownership transfers and the delivery of consumer services, public Blockchain architecture, initial coin offerings, the design of online platforms that directly offer funding options to consumers, online mortgage and crowdsourcing, and the automatization of financial advice.
Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 645
Credit Weight: 3
Transcript Title: Food Retail
Calendar Title: Food Retail.
Description:
The food-production journey, including the preparation, distribution, safety, marketing, consumption, consumer attitudes, and emerging trends. Food supply chain partners such as farms, grocery stores, restaurants, or community food producers.
Notes:
Restrictions: Open only to Master's students within the Desautels Faculty of Management.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 651
Credit Weight: 6
Transcript Title: Retail Practicum
Calendar Title: Retail Practicum.
Description:
A complex retail issue that is of interest and importance to a retail sector or organization. The objective is to apply frameworks and learnings to empirically examine a specific retail issue from multiple angles.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 652
Credit Weight: 3
Transcript Title: Independent Study in Retail
Calendar Title: Independent Study in Retail.
Description:
Research reading or field projects, permitting independent study under the guidance of a Faculty member. Projects to be arranged individually with instructors.
Notes:
A detailed student proposal must be submitted to the instructor and approved by the Academic Director during the first week of term.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 661
Credit Weight: 3
Transcript Title: Adv. Topics in Retail Mgmt 1
Calendar Title: Advanced Topics in Retail Management 1.
Description:
Advanced topics will be selected from current issues in retailing.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 662
Credit Weight: 3
Transcript Title: Adv. Topics in Retail Mgmt 2
Calendar Title: Advanced Topics in Retail Management 2.
Description:
Advanced topics will be selected from current issues in retailing.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active

RETL 663
Credit Weight: 3
Transcript Title: Adv. Topics in Retail Mgmt 3
Calendar Title: Advanced Topics in Retail Management 3.
Description: Advanced topics will be selected from current issues in retailing.
Administering Faculty: Graduate Studies
Teaching Department: Management
Status (catalog level): Active
RUSS 210
Credit Weight: 3
Transcript Title: Elementary Russian Language 1
Calendar Title: Elementary Russian Language 1.
Description: Reading, grammar, translation, oral practice.
Notes: Fall
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 211
Credit Weight: 3
Transcript Title: Elementary Russian Language 2
Calendar Title: Elementary Russian Language 2.
Description: Russian Language; continuation of RUSS 210.
Notes: Winter
Prerequisite: RUSS 210 or equivalent
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 213
Credit Weight: 3
Transcript Title: Introduction to Soviet Film
Calendar Title: Introduction to Soviet Film.
Description: This course aims to familiarize undergraduates with the topics, figures, and concerns of Soviet film history. Students will watch and analyze films by Soviet directors including Sergei Eisenstein, Dziga Vertov, Andrei Tarkovsky, Sergei Parajanov, Kira Muratova, Larisa Shepitko, and many others in the context of their historical periods, movements, and writings. Students will learn to analyze images and cinematic techniques, as well as assess their historical, ideological, and cultural significance.
Notes: Offered in English.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 215
Credit Weight: 6
Transcript Title: Elem Russian Lang Intensive 1
Calendar Title: Elementary Russian Language Intensive 1.
Description: An intensive introduction to the Russian language which covers the first year of the normal level, i.e. RUSS 210/RUSS 211 in one semester. The basic grammatical structures are covered.
Notes: Fall
Restriction: Not open to students who are taking or have taken RUSS 210, RUSS 211 or equivalent
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
RUSS 217
Credit Weight: 3
Transcript Title: Russia's Eternal Questions
Calendar Title: Russia's Eternal Questions.
Description:
Exploration of cultural archetypes defining continuity and change from Peter the Great to the present; the Russian national identity, double-faith, Western and Slavophile influences, Mother Russia, superfluous men and the Eternal Feminine, anarchism, the avant-garde, Stalinism. Recurring themes traced in literature, art, film, music, pop culture and the applied arts.
Notes:
Fall
Given in English
Restriction: Permission of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 218
Credit Weight: 3
Transcript Title: Russian Lit and Revolution
Calendar Title: Russian Literature and Revolution.
Description:
The dramatic developments in Russian literature of the 20th century, from revolution, through conformity, to the ironies and anxieties of the post-Soviet era. Comrades, iconoclasts, absurdist, proletarians and aesthetes; the Gulag, the literary café, the music of the spheres, the crumbling Russian village; the re forging of humanity and the rediscovery of tradition.
Notes:
Fall or Winter
Prerequisite: None, but some background in Russian 20C history is helpful
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 223
Credit Weight: 3
Transcript Title: Russian 19c: Literary Giants 1
Calendar Title: Russian 19th Century: Literary Giants 1.
Description:
The Golden Age of Russian literature: from Pushkin, Lermontov, and Gogol to the first works of Dostoevsky and Tolstoy. This course traces the rise of a coherent literary tradition in Russia, exploring authors' relationships to the burgeoning tradition and to their historical and cultural context.
Notes:
Fall
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 224
Credit Weight: 3
Transcript Title: Russian 19c. Literary Giants 2
Calendar Title: Russian 19th Century: Literary Giants 2.
Description: This course explores the masterpieces of late nineteenth-century Russian literature. From psychological realism and the novel of ideas to the rise of the great short story; Turgenev, Dostoevsky, Tolstoy, Leskov, and Chekhov.
Notes: Winter
Given in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 229
Credit Weight: 3
Transcript Title: Intro to Russian Folklore
Calendar Title: Introduction to Russian Folklore.
Description: An introduction to Russian folklore and folk belief: "dual-faith," traditional mentality, fairy tales, calendar rituals, folk songs, witches, healers and house spirits. The course will explore classic approaches to folklore studies as well as the influence of folk culture on Russian "high art."
Notes: Taught in English
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 250
Credit Weight: 3
Transcript Title: The Central European Novel
Calendar Title: The Central European Novel.
Description: Examination of the culture of Central Europe through the lens of novels, including the history, culture, and literature of the region.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 300
Credit Weight: 3
Transcript Title: Russ for Heritage Speakers 1
Calendar Title: Russian for Heritage Speakers 1.
Description: For native speakers of Russian who have not had full academic instruction in the language. Focus on grammatical structure and syntax, the formalities of written Russian and appreciation of the language's stylistic diversity. Multi-media approach including excerpts from literary works, current newspapers, television news broadcasts, films and cartoons.
Notes: Fall
Prerequisite: Permission of the Department
Restriction: Not open to students who have taken RUSS 210, RUSS 211, RUSS 215, RUSS 310, RUSS 311 and RUSS 316.
Given in Russian
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 301
Credit Weight: 3
Transcript Title: Russ for Heritage Speakers 2
Calendar Title: Russian for Heritage Speakers 2.
Description: For native speakers of Russian who have not had full academic instruction in the language. Focus on complex grammatical structures, syntax, and stylistically differentiated uses of vocabulary in written and spoken Russian. Multi-media approach including excerpts from literary works, current newspapers, Internet sources, and films.
Notes:
Winter
Given in Russian
Prerequisites: RUSS 300 or permission of the instructor
Restrictions: Not open to students who have taken Russ 210, 211, 215, 310, 311 and 316
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 310
Credit Weight: 3
Transcript Title: Intermed Russian Language 1
Calendar Title: Intermediate Russian Language 1.
Description: Reading, translation, conversation.
Notes:
Fall
Prerequisite: RUSS 210 and RUSS 211 or equivalent
Restriction: Not open to students who are taking RUSS 316
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 311
Credit Weight: 3
Transcript Title: Intermed Russian Language 2
Calendar Title: Intermediate Russian Language 2.
Description: Reading, translation, conversation.
Notes:
Winter
Prerequisite: RUSS 310 or equivalent
Restriction: Not open to students who are taking or have taken RUSS 316
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 316
Credit Weight: 6
Transcript Title: Intermed Russian Lang Intns 2
Calendar Title: Intermediate Russian Language Intensive 2.
Description:
Continuing the Intensive program of RUSS 215 this course covers the second year of the normal level, i.e. RUSS 310/RUSS 311, in one semester. The basic grammatical structures are covered.

Notes:
Winter
Prerequisite: RUSS 215 or equivalent
Restriction: Requires departmental approval
Restriction: Not open to students who have taken RUSS 310, RUSS 311 or are taking RUSS 311

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 327
Credit Weight: 3
Transcript Title: Reading Russian Poetry
Calendar Title: Reading Russian Poetry.
Description:
Introduction to Russia's major poets and bards of the 19th and 20th centuries. Selected works from Pushkin to Brodsky and 20th century bards will be read in Russian.

Notes:
Prerequisite: RUSS 316 or equivalent, or permission of the department.
Texts to be read in the original Russian, analysis and discussion to be conducted in English and/or Russian.

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 328
Credit Weight: 3
Transcript Title: Readings in Russian
Calendar Title: Readings in Russian.
Description:
A general introduction to Russian prose, poetry and drama in the 19th Century. Selected texts will be read in the original and discussed.

Notes:
Prerequisite: RUSS 316 or equivalent, or permission of the Department.
Texts to be read in the original Russian; analysis and discussion to be conducted in English and/or Russian.

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 330
Credit Weight: 3
Transcript Title: Chekhov without Borders
Calendar Title: Chekhov without Borders.
Description:
Chekhov's short stories and plays. The genre of the short story and its relationship to realist, modernist, and postmodernist aesthetics. Chekhov's influence in Russia and abroad.

Notes:
Fall
Course will be given in English.

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

RUSS 333  
Credit Weight: 3  
Transcript Title: Petersburg: City of Myth  
Calendar Title: Petersburg: City of Myth.  
Description:  
In Russian culture, the two major cities, Moscow and Saint-Petersburg, represent the two sides of Russian culture: its past in Orthodoxy and Russianness and its future in European culture and internationalism. The culture of Saint-Petersburg both reflects the city and redefines the meaning of the city for the future. This class will examine Russian culture within the context of the city itself, providing students with a holistic look at an embedded culture.  
Notes:  
Prerequisites: Previous course work in Russian literature, film, or history is highly recommended.
Readings and class discussions in English.  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

RUSS 337  
Credit Weight: 3  
Transcript Title: Vladimir Nabokov  
Calendar Title: Vladimir Nabokov.  
Description:  
Cross sampling of short stories and major novels by Vladimir Nabokov; his life-long love affair with language and "aesthetic bliss"; his flouting of convention from Russia's Silver Age to post-McCarthy America. Lolita in and beyond the Russian context.  
Notes:  
Given in English.  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

RUSS 340  
Credit Weight: 3  
Transcript Title: Russian Short Story  
Calendar Title: Russian Short Story.  
Description:  
Russian stories that encompass the major aesthetic and thematic concerns of the short story genre. Recurrent themes of language's power and limits, of childhood and old age, of art and sexuality, and of cultural, individual, and artistic memory.  
Administering Faculty: Faculty of Arts  
Teaching Department: Languages, Literatures, Cultures  
Status (catalog level): Active

RUSS 347  
Credit Weight: 3  
Transcript Title: Late and Post-Soviet Culture  
Calendar Title: Late and Post-Soviet Culture.  
Description:  
The re-invention of Russian culture in the late 20th and early 21st centuries.
Featuring Soviet beatniks, dissidents, and cultural iconoclasts; covering pop-culture, Pepsi and PR, perestroika, and the encounter with Western postmodernism. In literature, the emergence of 'new¿ voices (women¿s prose, émigré writers), new or newly rediscovered genres (detective fiction, sci-fi, bard or sung poetry, the essay). In the visual arts, points of contact, overlap and competition with film, conceptualist or concrete poetry, installations, memes). For over two and a half centuries, Russian literature was seen as the cornerstone of cultural identity and national pride. How does it confront today the challenges of a post-literary age and, tenuously, post-Soviet age?

Notes:
Prerequisite: One of the following or its equivalent: RUSS 217, RUSS 218, RUSS 223, or RUSS 224
Readings and Class discussions in English.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 350
Credit Weight: 3
Transcript Title: Central European Film
Calendar Title: Central European Film.
Description:
The development of film in the Central European area, alongside the history and culture of the region.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 357
Credit Weight: 3
Transcript Title: Leo Tolstoy
Calendar Title: Leo Tolstoy.
Description:
An in-depth exploration of the literature and thought of Leo Tolstoy. This course will cover his major works of fiction as well as non-fiction essays, diary entries, and letters, with the majority of the semester devoted to his great masterpiece, War and Peace.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 358
Credit Weight: 3
Transcript Title: Fyodor Dostoevsky
Calendar Title: Fyodor Dostoevsky.
Description:
An in-depth study of the writing and thought of Fyodor Dostoevsky. Through reading Dostoevsky's major novels as well as some of his short fiction and journalism in the context of his times, this course will explore Dostoevsky's contributions to literature and philosophy.

Notes:
Taught in English

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 365
Credit Weight: 3
Transcript Title: Supernatural&Absurd in RussLit
Calendar Title: Supernatural and Absurd in Russian Literature.
Description:
Themes of absurd, bizarre, surreal, supernatural, and fantastic in works by Pushkin, Gogol, Dostoevsky, Kharms, Bulgakov, Petrushevskaya, Pelevin, and others. Focus on the Russian literary imagination and the historical and political conflicts which haunt it. Theories of the gothic, fantastic, and absurd.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

RUSS 369
Credit Weight: 3
Transcript Title: Narrative&Memory: Russian Cult
Calendar Title: Narrative and Memory in Russian Culture.
Description:
Exploration of literary and cinematic representations of the themes of memory, trauma, nostalgia, family history, and war in modern Russian culture. Exploration of narrative approaches to war and trauma, their effects on cultural identity, Post-Soviet nostalgia, family and childhood, and related subjects.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

RUSS 381
Credit Weight: 3
Transcript Title: Russia's Utopia Complex
Calendar Title: Russia's Utopia Complex.
Description:
From Zamiatin's We (1921), and Dostoevskii's "Grand Inquisitor" (1880), an examination of the Russian creation of and imprint on the dystopian genre. From prototypes in Russian romanticism and folklore, to dissident masterpieces of the Stalinist era, to sci-fi as rediscovered in the post-Soviet experience. Literature, film, and beyond.
Notes:
Offered in English.
Prerequisite(s): A 200-level course in literature or culture, in Russian or in the European or Asian traditions.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

RUSS 382
Credit Weight: 3
Transcript Title: Russian Opera
Calendar Title: Russian Opera.
Description:
This course traces the development of the Russian opera tradition from the mid-nineteenth century to the 1950s. It explores opera's role in Russia's quest for national identity and its place in musical, literary, and political life, as well as responses to European opera trends. No knowledge of music theory required.
Notes:
Taught in English.
Administrating Faculty: Faculty of Arts
Teaching Department: Languages,Literatures,Cultures
Status (catalog level): Active

RUSS 385
Credit Weight: 3
Transcript Title: Staging Russ: Fr Push to Chekh
Calendar Title: Staging Russianness: From Pushkin to Chekhov.
Description:
Masterpieces of the Russian stage in the nineteenth and twentieth centuries; the emergence of a uniquely Russian dramatic sensitivity against prevailing European trends; the literary word in a public, political and/or avant-garde forum.
Notes:
Fall
At least 2 courses in literature and/or cultural studies.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 390
Credit Weight: 3
Transcript Title: Special Topics in Russian
Calendar Title: Special Topics in Russian.
Description:
Exploration of a significant author, trend, theme or theory in modern Russian culture, including but not limited to the interface between literary works, the graphic and performing arts, ideology and national identity.
Notes:
Fall
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 395
Credit Weight: 3
Transcript Title: Soviet Cinema: Art and Politics
Calendar Title: Soviet Cinema: Art and Politics.
Description:
This course explores the relationship between art and politics in the cinema of the Soviet Union. Students taking this course will gain a familiarity with the films and writings of Soviet directors. They will also learn the basics of formal, textual, and historical film analysis.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 397
Credit Weight: 3
Transcript Title: Tarkovsky: Cinema & Philosophy
Calendar Title: Tarkovsky: Cinema and Philosophy.
Description:
Considered by many critics to be one of the greatest directors of all time, Tarkovsky directed such luminary films as Ivan’s Childhood (1962), Andrei Rublev (1966), Solaris (1972), Mirror (1975), and Stalker (1979). Since their first appearance, these films have challenged viewers with their deep philosophical questions and stunning visual style. This course equips students with the tools necessary to understand and interpret these films including a basis in film theory and Soviet history.
Notes:
Prerequisite: One of the following RUSS 213, ENGL 277, FILM 279 or equivalent.
Readings in English, screenings with English subtitles.

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 398
Credit Weight: 3
Transcript Title: Soviet Women Filmmakers
Calendar Title: Soviet Women Filmmakers.
Description:
Dedicated to the study of under-represented female directors in Soviet cinema, particularly the films of Kira Muratova and Larisa Shepitko. The work of these two directors is nothing short of stunning; in many ways, it surpasses that of their most well-known contemporary - Andrei Tarkovsky. Explores the ways in which these films represent gender, sexuality, and women's issues in the Soviet Union.

Notes:
Prerequisite: One of the following RUSS 213, ENGL 277, FILM 279 or equivalent.
Readings in English, films with English subtitles.

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 400
Credit Weight: 3
Transcript Title: Advanced Russian Language 1
Calendar Title: Advanced Russian Language 1.
Description:
Advanced practical Russian grammar and composition. May include reading a variety of texts and media from classical to contemporary (literature, newspapers, TV, film, etc.).

Notes:
Fall
Prerequisite: RUSS 310 and RUSS 311 or equivalent or permission of the Department.
Given in Russian

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 401
Credit Weight: 3
Transcript Title: Advanced Russian Language 2
Calendar Title: Advanced Russian Language 2.
Description:
Advanced practical Russian grammar and composition. May include reading a variety of texts and media from classical to contemporary (literature, newspapers, TV, film, etc.).

Notes:
Winter
Prerequisite: RUSS 400 or equivalent
Given in Russian

Administrating Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active
RUSS 415
Credit Weight: 6
Transcript Title: Adv Russian Lang Intensive 1
Calendar Title: Advanced Russian Language Intensive 1.
Description:
Continuing the Intensive program of RUSS 215 and RUSS 316, students will complete their study of the fundamental structure of modern literary Russian, including the morphology and syntax of the nominal and verbal systems.
Notes:
Fall
Prerequisite: RUSS 215/ RUSS 316 or RUSS 310/ RUSS 311
Requires departmental approval
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 427
Credit Weight: 3
Transcript Title: Russian Fin de Siècle
Calendar Title: Russian Fin de Siècle.
Description:
Russian poetry, prose, drama, book design and the visual arts from the Silver Age to WWI, from Chekhov to Blok and Belyi. The crisis of realism, decadence, symbolism, and its waning traced through the eternal feminine, the devil, the city, poetry as pure creation, and millennial crisis. Not open to students who have taken or are taking RUSS 465.
Notes:
Course offered in English.
Prerequisite(s): At least 2 courses (6 credits) in literature and/or cultural studies.
Restriction(s): Not open to students who have taken RUSS 465.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 428
Credit Weight: 3
Transcript Title: Russian Avantgarde
Calendar Title: Russian Avantgarde.
Description:
Russian poetry, prose, drama, the manifesto, street festivals and the explosion of experiment in the visual arts from WWI to 1930. The avant-garde anticipates, transcends, responds and then succumbs to revolution.
Notes:
Prerequisite(s): At least 2 courses (6 credits) in literature and/or cultural studies.
Restriction(s): Not open to students who have taken RUSS 466.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 430
Credit Weight: 3
Transcript Title: High Stalinist Culture 1
Calendar Title: High Stalinist Culture 1.
Description:
Novels, films, art, architecture, pageantry, rhetoric and routine of the Stalinist 1930s-40s, including socialist realism as an aesthetic doctrine, utopian blueprint, target of parody, amalgam of a submerged avant-garde and state-controlled pop culture, precursor of the postmodernist simulacrum, self-proclaimed international style and/or uniquely Russian 20th-century project.

Notes:
Winter
Prerequisite: Permission of instructor
Restriction: Not open to students who have taken RUSS 510
Given in English

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 440
Credit Weight: 3
Transcript Title: Russia and Its Others
Calendar Title: Russia and Its Others.
Description:
In-depth historical approach to cultural construction of Russian national identity and to the concept of the Other as a condition of self-representation: East, West, America, class enemies, dissidents, ethnic and sexual minorities, etc. Introduction to theoretical tools for approaching issues of national identity, alterity, (post)colonialism, exoticism, and orientalism. Not open to students who have taken RUSS 475 in 201301.

Notes:
Prerequisite(s): At least 2 literature/cultural studies courses at the 200 or 300 level; or permission of the Department.
Restriction(s): Not open to students who have taken RUSS 475 in 201301.

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 453
Credit Weight: 3
Transcript Title: Advanced Russian Lang & Syntax
Calendar Title: Advanced Russian Language and Syntax.
Description:

Notes:
Winter
Prerequisite: RUSS 452 or equivalent

Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 454
Credit Weight: 3
Transcript Title: Narratives of Desire
Calendar Title: Narratives of Desire.
Description:
An exploration of desire as it was narrativized in Russian literature 1860-1900. The course draws on comparative examples from European literature as well as various theoretical approaches for conceptualizing love and desire.
Notes:
Prerequisite(s): At least two literature courses at the 200 or 300 level or permission of the department.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 475
Credit Weight: 3
Transcript Title: Special Topics in Russ Culture
Calendar Title: Special Topics in Russ Culture.
Description:
Examination of a significant author, trend, theme or theory in modern Russian culture, including but not limited to the interface between literary works, the graphic and performing arts, ideology and national identity.
Notes:
Winter
Prerequisite: Permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 490
Credit Weight: 3
Transcript Title: Honours Seminar 01
Calendar Title: Honours Seminar 01.
Description:
This course is intended to allow students to bring together their knowledge of the general area of Russian & Slavic Studies and produce a synthesis appropriate to their level of development. The major exercise will consist of the writing of a research paper displaying their competence.
Notes:
Fall or Winter
Prerequisite: Permission of the Department
Restriction: Honours or Joint Honours in Russian and Slavic Studies
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 491
Credit Weight: 3
Transcript Title: Honours Seminar 02
Calendar Title: Honours Seminar 02.
Description:
This course is intended to allow students to bring together their knowledge of the general area of Russian & Slavic Studies and produce a synthesis appropriate to their level of development. The major exercise will consist of the writing of a research paper displaying their competence.
Notes:
Fall or Winter
Prerequisite: RUSS 490
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 499
Credit Weight: 3
Transcript Title: Internship: Russ & Slavic St.
Calendar Title: Internship: Russian and Slavic Studies.
Description: Internship with an approved host institution or organization.
Notes: Fall or Winter
Prerequisite: Permission of the departmental Internship Advisor.
Restrictions: Open to U2 and U3 students after completing 30 credits of a 90 credit degree program or 45 credits of a 69-120 credit program, a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will not normally fulfill program requirements for seminar or 400-level courses.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 500
Credit Weight: 3
Transcript Title: Special Topics
Calendar Title: Special Topics.
Description: Focus on a critical theme, author or work, as determined by the current research interests of faculty and visiting faculty.
Notes: Given in English
Prerequisite: Permission of Department
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 501
Credit Weight: 3
Transcript Title: Topics in Slavic Culture
Calendar Title: Topics in Slavic Culture.
Description: Examination of a significant author, trend, theme or theory in modern Slavic culture, including but not limited to the interface between literary works, the graphic and performing arts, ideology and national identity.
Notes: Prerequisites: Permission of the instructor.
1. Topic varies year to year.
Administering Faculty: Faculty of Arts
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 600
Credit Weight: 0
Transcript Title: Tutorial in Russian 1
Calendar Title: Tutorial in Russian 1.
Description: Supervised independent study towards the achievement of professional competence in conducting research in Russian, including advanced language proficiency, bibliographic and electronic information retrieval.
Notes: Prerequisite: Permission of Department Graduate Committee.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

RUSS 601
Credit Weight: 0
Transcript Title: Tutorial in Russian 2
Calendar Title: Tutorial in Russian 2.
Description:
Continued independent study towards achieving professional competence in conducting research in Russian, including advanced language proficiency, bibliographic and electronic information retrieval.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

RUSS 620
Credit Weight: 3
Transcript Title: High Stalinist Culture 2
Calendar Title: High Stalinist Culture 2.
Description:
The novels, films, art and architecture, pageantry and rhetoric of Stalinist Russia. Socialist realism as an aesthetic doctrine, utopian blueprint, target of parody, amalgam of a submerged avantgarde and state-controlled pop culture, precursor of the postmodernist simulacrum. Totalitarian art both accommodates and erodes its underlying ideology.
Notes:
Winter
Given in English
Prerequisite: Permission of instructor
Restriction: Not open to students who have taken RUSS 430 or RUSS 510
There will be 2 lectures per week (taken with undergraduates enrolled in RUSS 430) and one graduate-student-only tutorial per week.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 622
Credit Weight: 3
Transcript Title: Special Topics Seminar 3
Calendar Title: Special Topics Seminar 3.
Description:
Focus on a critical theme, author or work, as determined by the current research interests of faculty, visiting faculty and the graduate student cohort.
Notes:
Prerequisite: Permission of the Department Graduate Committee
Restriction: Not open to students who have taken RUSS 722D1/D2
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 623
Credit Weight: 3
Transcript Title: Adv Seminar on Special Topics
Calendar Title: Advanced Seminar on Special Advanced Topics.
Description:
Examination of a significant author, trend, theme or theory in Russian and/or
Slavic culture, including but not limited to the interface between literary works, the graphic and performing arts, ideology and national identity.

Notes:
Prerequisites: Permission of the Department
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 644
Credit Weight: 3
Transcript Title: Major Russian Writers
Calendar Title: Major Russian Writers.
Description:
An in-depth exploration of the works of a key Russian literary figure, rotating through Chekhov, Dostoevsky, Nabokov, Platonov and Tolstoy. Readings in Russian or English.
Administering Faculty: Graduate Studies
Teaching Department: ~Russian & Slavic Studies
Status (catalog level): Active

RUSS 675
Credit Weight: 3
Transcript Title: Problems in Russian Realism
Calendar Title: Problems in Russian Realism.
Description:
Russian or Slavic Realism considered both within its historical period, the second half of the nineteenth century, and against the backdrop of its many permutations and combinations in literature, film and the graphic arts over the 20th and 21st centuries. Topics will include the assumption of verisimilitude, the role of extra-literary, ideological rhetoric, the biographical fallacy.
Notes:
Prerequisite: Permission of the Department Graduate Committee
Restriction: None.
The specific focus will vary according to the instructor.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 676
Credit Weight: 3
Transcript Title: Russian Realism 2
Calendar Title: Russian Realism 2.
Description:
The second stage of the inquiry into the nature, origins, power and limitations of Realism in major works by Turgenev, Tolstoi and Dostoevskii. A more detailed examination of the works' philosophies, ideologies and poetics.
Notes:
Prerequisite: RUSS 675 or Permission of the Department.
Restriction: Not open to students who have taken RUSS 680D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 679
Credit Weight: 3
Transcript Title: Russian Romanticism 1
Calendar Title: Russian Romanticism 1.
**RUSS 682**

**Credit Weight:** 3  
**Transcript Title:** Russian Twentieth Century 1  
**Calendar Title:** Russian Twentieth Century 1.  

**Description:**  
Definitive trends, from modernism, neo-realism and the avant-garde through the development of and resistance to socialist realism. Their intersection in and impact on the works of key figures in Russian letters and the arts in the early twentieth century.  

**Notes:**  
Prerequisite: Permission of the Department Graduate Committee.  
Restriction: Not open to students who have taken RUSS 681D1/D2.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**RUSS 683**

**Credit Weight:** 3  
**Transcript Title:** Russian Twentieth Century 2  
**Calendar Title:** Russian Twentieth Century 2.  

**Description:**  
Defining issues from the post-Stalinist Thaw to the post-Stalinist present, including the dismantling of socialist realism, the recovery of the nineteenth- and early twentieth-century heritage, the emergence of a new plurality in trends such as rural, urban, youth and alternative prose, conceptualism and sotsart.  

**Notes:**  
Prerequisite: Permission of the Department Graduate Committee.  
Restriction: Not open to students who have taken RUSS 682D1/D2.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

**RUSS 689**

**Credit Weight:** 3  
**Transcript Title:** 19th C Russian Lit in Theory  
**Calendar Title:** 19th Century Russian Literature in Theory.  

**Description:**  
Russian Formalism and its precursors, the Bakhtin circle considered in the context of major period trends and key texts of the nineteenth century.  

**Notes:**  
Prerequisite: Permission of the Department Graduate Committee.  
Restriction: Not open to students who have taken RUSS 690D1/D2.  

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 690
Credit Weight: 3
Transcript Title: 20th C Russian Lit in Theory
Calendar Title: 20th Century Russian Literature in Theory.
Description: Russian structuralism, post-structuralism, the Tartu school and Bakhtin considered in the context of major period trends and key texts of the twentieth century.
Notes: Prerequisite: Permission of the Department Graduate Committee.
Restriction: Not open to students who have taken RUSS 690D1/D2.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 691
Credit Weight: 3
Transcript Title: M.A. Thesis Proposal
Calendar Title: M.A. Thesis Proposal.
Description: Independent research under the supervision of the thesis advisor(s) leading to a thesis proposal.
Notes: To be submitted to the supervisor by the end of the first year of the MA program, April 30th or November 30th as the case may be. Candidates must consult the Thesis Proposal Guidelines prepared by the Russian Studies Graduate Committee.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 691D1
Credit Weight: 1.5
Transcript Title: M.A. Thesis Proposal
Calendar Title: M.A. Thesis Proposal.
Description: Independent research under the supervision of the thesis advisor(s) leading to a thesis proposal.
Notes: Students must register for both RUSS 691D1 and RUSS 691D2
No credit will be given for this course unless both RUSS 691D1 and RUSS 691D2 are successfully completed in consecutive terms
RUSS 691D1 and RUSS 691D2 together are equivalent to RUSS 691
To be submitted to the supervisor by the end of the first year of the MA program, April 30th or November 30th as the case may be. Candidates must consult the Thesis Proposal Guidelines prepared by the Russian Studies Graduate Committee.
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 691D2
Credit Weight: 1.5
Transcript Title: M.A. Thesis Proposal
Calendar Title: M.A. Thesis Proposal.
Description: See RUSS 691D1 for course description.
Notes:
Prerequisite: RUSS 691D1
No credit will be given for this course unless both RUSS 691D1 and RUSS 691D2 are successfully completed in consecutive terms.
RUSS 691D1 and RUSS 691D2 together are equivalent to RUSS 691.
To be submitted to the supervisor by the end of the first year of the MA program, April 30th or November 30th as the case may be. Candidates must consult the Thesis Proposal Guidelines prepared by the Russian Studies Graduate Committee.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 691N1
Credit Weight: 1.5
Transcript Title: M.A. Thesis Proposal
Calendar Title: M.A. Thesis Proposal.
Description:
Independent research under the supervision of the thesis advisor(s) leading to a thesis proposal.
Notes:
Students must also register for RUSS 691N2.
No credit will be given for this course unless both RUSS 691N1 and RUSS 691N2 are successfully completed in a twelve month period.
RUSS 691N1 and RUSS 691N2 together are equivalent to RUSS 691.
To be submitted to the supervisor by the end of the first year of the MA program, April 30th or November 30th as the case may be. Candidates must consult the Thesis Proposal Guidelines prepared by the Russian Studies Graduate Committee.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 691N2
Credit Weight: 1.5
Transcript Title: M.A. Thesis Proposal
Calendar Title: M.A. Thesis Proposal.
Description:
See RUSS 691N1 for course description.
Notes:
Prerequisite: RUSS 691N1.
No credit will be given for this course unless both RUSS 691N1 and RUSS 691N2 are successfully completed in a twelve month period.
RUSS 691N1 and RUSS 691N2 together are equivalent to RUSS 691.
To be submitted to the supervisor by the end of the first year of the MA program, April 30th or November 30th as the case may be. Candidates must consult the Thesis Proposal Guidelines prepared by the Russian Studies Graduate Committee.

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 692
Credit Weight: 24
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description:
Written presentation of the thesis to the research supervisor(s).

Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 692D1
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: Written presentation of the thesis to the research supervisor(s).
Notes: Students must register for both RUSS 692D1 and RUSS 692D2
No credit will be given for this course unless both RUSS 692D1 and RUSS 692D2 are successfully completed in consecutive terms
RUSS 692D1 and RUSS 692D2 together are equivalent to RUSS 692
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

RUSS 692D2
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: See RUSS 692D1 for course description.
Notes: Prerequisite: RUSS 692D1
No credit will be given for this course unless both RUSS 692D1 and RUSS 692D2 are successfully completed in consecutive terms
RUSS 692D1 and RUSS 692D2 together are equivalent to RUSS 692
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

RUSS 692N1
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: Written presentation of the thesis to the research supervisor(s).
Notes: Students must also register for RUSS 692N2
No credit will be given for this course unless both RUSS 692N1 and RUSS 692N2 are successfully completed in a twelve month period
RUSS 692N1 and RUSS 692N2 together are equivalent to RUSS 692
Administering Faculty: Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Inactive

RUSS 692N2
Credit Weight: 12
Transcript Title: M.A. Thesis
Calendar Title: M.A. Thesis.
Description: See RUSS 692N1 for course description.
Notes: Prerequisite: RUSS 692N1
No credit will be given for this course unless both RUSS 692N1 and RUSS 692N2 are successfully completed in a twelve month period.

RUSS 692N1 and RUSS 692N2 together are equivalent to RUSS 692.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Inactive

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RUSS 700  
**Credit Weight:** 0  
**Transcript Title:** PhD Tutorial  
**Calendar Title:** Ph.D. Tutorial.  
**Description:**  
Supervised preparation for the candidate's two designated Major Fields in the PhD Comprehensive Examination.  
**Notes:**  
Prerequisite: Permission of the Department Graduate Committee.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

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RUSS 701  
**Credit Weight:** 0  
**Transcript Title:** Ph.D. Comprehensive Examination  
**Calendar Title:** Ph.D. Comprehensive Examination.  
**Description:**  
Written and oral examination in two Major and two Minor fields of Russian literature and culture, as determined by the candidate and the Department's Graduate Committee.  
**Notes:**  
Prerequisites: RUSS 700 and two of: RUSS 750, RUSS 760, RUSS 770.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

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RUSS 702  
**Credit Weight:** 0  
**Transcript Title:** PhD Thesis Proposal  
**Calendar Title:** Ph.D. Thesis Proposal.  
**Description:**  
PhD thesis proposal.  
**Notes:**  
Prerequisite: Permission of the Department Graduate Committee.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Languages, Literatures, Cultures  
**Status (catalog level):** Active

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RUSS 720  
**Credit Weight:** 3  
**Transcript Title:** Special Topics Seminar 1  
**Calendar Title:** Special Topics Seminar 1.  
**Description:**  
Focus on a critical theme, author or work, as determined by the current research interests of faculty, visiting faculty and the graduate student cohort.  
**Notes:**  
Prerequisite: Permission of the Department Graduate Committee.

**Administering Faculty:** Graduate Studies
Teaching Department: Languages, Literatures, Cultures
Status (catalog level): Active

RUSS 721
Credit Weight: 3
Transcript Title: Special Topics Seminar 2
Calendar Title: Special Topics Seminar 2.
Description:
Focus on a critical theme, author or work, as determined by the current research interests of faculty, visiting faculty and the graduate student cohort.
Notes:
Prerequisite: Permission of the Department Graduate Committee.

RUSS 750
Credit Weight: 0
Transcript Title: History of Russian Language
Calendar Title: History of Russian Language.
Description:
Exploration of the principal themes and critical issues in Russian historical grammar and the history of the Russian literary language from the 10th century to the present.
Notes:
Prerequisite: Permission of the Department Graduate Committee.
Restriction: Not open to students who have taken RUSS 650D1/D2.

RUSS 760
Credit Weight: 0
Transcript Title: Pre-Petrine Foundation
Calendar Title: Pre-Petrine Foundation.
Description:
Exploration of the principal themes and critical issues in Russian literature of the Pre-Petrine period. Comparison with similar problems in the candidate's major fields for the comprehensive examination.
Notes:
Prerequisite: Permission of the Department Graduate Committee.
Restriction: Not open to students who have taken RUSS 660D1/D2.

RUSS 770
Credit Weight: 0
Transcript Title: 18th Century Foundation
Calendar Title: 18th Century Foundation.
Description:
Exploration of the principal themes and critical issues in Russian literature of the 18th century. Comparison with similar problems in the candidate's major fields for the comprehensive examination.
Notes:
Prerequisite: Permission of the Department Graduate Committee.
Restriction: Not open to students who have taken RUSS 670D1/D2.

Administering Faculty: Graduate Studies

Teaching Department: Languages, Literatures, Cultures

Status (catalog level): Active
SCSD 609
Credit Weight: 3
Transcript Title: Neuromotor Disorders
Calendar Title: Neuromotor Disorders.
Description:
The focus of this course will be on the assessment and management of motor speech disorders, associated with both acquired and developmental neuromotor disorders, and swallowing disorders (of both neuromotor and structural origin).
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 611D1
Credit Weight: 0.5
Transcript Title: Essential Competencies for S-LP1
Calendar Title: Essential Competencies for Speech-Language Pathology 1.
Description:
Practice and assessment of transverse competencies for the spring speech-language pathology practicum. Professional activities include simultaneous demonstration of multiple professional roles, especially expert, communicator, collaborator, advocate, scholar and professional.
Notes:
Students must register for both SCSD 611D1 and SCSD 611D2
No credit will be given for this course unless both SCSD 611D1 and SCSD 611D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 611D2
Credit Weight: 0.5
Transcript Title: Essential Competencies for S-LP1
Calendar Title: Essential Competencies for Speech-Language Pathology 1.
Description:
See SCSD 611D1 for course description.
Notes:
Prerequisite: SCSD 611D1
No credit will be given for this course unless both SCSD 611D1 and SCSD 611D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 612D1
Credit Weight: 0.5
Transcript Title: Essential Competencies for S-LP2
Calendar Title: Essential Competencies for Speech-Language Pathology 2.
Description:
Practice and assessment of transverse competencies required for entry-to-practice as a speech-language pathologist. Professional activities include simultaneous demonstration of multiple professional roles, especially expert, communicator, collaborator, advocate, scholar and professional.
Notes:
Students must register for both SCSD 612D1 and SCSD 612D2
No credit will be given for this course unless both SCSD 612D1 and SCSD 612D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 612D2
Credit Weight: 0.5
Transcript Title: Essential Competencies for S-LP2
Calendar Title: Essential Competencies for Speech-Language Pathology 2.
Description:
See SCSD 612D1 for course description.
Notes:
Prerequisite: SCSD 612D1
No credit will be given for this course unless both SCSD 612D1 and SCSD 612D2 are successfully completed in consecutive terms
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 613
Credit Weight: 1
Transcript Title: Counselling in S-LP
Calendar Title: Counselling in Speech-Language Pathology.
Description:
A practical approach to basic and advanced counselling for the speech-language pathology context, with topics as follows: counseling of persons with communication and swallowing disorders, families of children with disabilities, clients who are expected to improve or deteriorate and their families. Strategies to deal with the management of special events that may arise during the treatment process including counselling issues in death and dying.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 614
Credit Weight: 3
Transcript Title: Literacy Across the Lifespan
Calendar Title: Literacy Across the Lifespan.
Description:
A clinically oriented review of typical reading development and processing followed by speech-language pathology practice for individuals with developmental reading disorders and acquired reading and writing disorders.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 616
Credit Weight: 3
Transcript Title: Foundations of Audiology
Calendar Title: Foundations of Audiology.
Description:
Foundations of clinical audiology including acoustics as it relates to audition and hearing loss; the anatomy and physiology of the auditory system, demographics and prevalence of hearing loss; common diagnostic goals and procedures of clinical audiology and standard avenues of intervention. Concepts of proper administration, interpretation, and application of information obtained in a basic audiologic evaluation emphasizing the role of the speech language pathologist in hearing loss prevention.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 617
Credit Weight: 1
Transcript Title: Anatomy & Physiology for S-LP
Calendar Title: Anatomy and Physiology for Speech-Language Pathology.
Description: The anatomy and physiology of structures and mechanisms essential to speech production, specifically the respiratory system (respiratory tract, chest wall, diaphragm, and abdominal wall) and the articulatory, phonatory, and resonatory systems (larynx, pharynx, mouth, and nose).

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 618
Credit Weight: 3
Transcript Title: Res & Measure Methodologies 1
Calendar Title: Research and Measurement Methodologies 1.
Description: Methodologies used in research and measurement in the field of communication sciences and disorders will be introduced. Topics covered include: the nature and interpretation of test norms; validity; interpretation of test score differences; and questionnaire development (scaling). Tests currently used in speech-language pathology and audiology are examined.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 619
Credit Weight: 3
Transcript Title: Phonological Development
Calendar Title: Phonological Development.
Description: Theories and research related to normal and abnormal phonological development in children will be studied.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 624
Credit Weight: 3
Transcript Title: Language Development & Processes
Calendar Title: Language Development and Processes.
Description: Typical language development across the lifespan, progressing from the building blocks of speech perception to conversation and narrative production. The role of input, individual differences in acquisition, and language socialization. Skilled perception, processing and production of these aspects of language in adulthood.
Notes: Restriction: Not open to students who have taken SCSD 633.
SCSD 625
Credit Weight: 2
Transcript Title: ASD & Neurodevelop Disorders 2
Calendar Title: ASD and Neurodevelopmental Disorders 2.
Description: An overview of the broad range of clinical presentations observed in people on the autism spectrum from early childhood through adulthood, and on social communication and language assessment and intervention for this population.
Notes: Restrictions: Not open to students who have taken or are taking SCSD 669
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 626
Credit Weight: 2
Transcript Title: Aural Rehabilitation 2
Calendar Title: Aural Rehabilitation 2.
Description: The effects of hearing impairment in adults as well as in the developing child with attention to problems in speech, language, and cognitive function as well as social-emotional adjustment. Examination of various intervention approaches.
Notes: Restriction: Not open to students who have taken or are taking SCSD642.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 627
Credit Weight: 3
Transcript Title: Practicum and Seminar 3A
Calendar Title: Practicum and Seminar 3A.
Description: Various aspects of clinical training. Practice of multiple clinical roles at the advanced beginner level at practicum sites involving pediatric or adult clients.
Notes: Restriction: Not open to students who have taken or are taking SCSD 683.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 628
Credit Weight: 3
Transcript Title: Practicum and Seminar 4A
Calendar Title: Practicum and Seminar 4A.
Description: Various aspects of clinical training. Practice of multiple clinical roles at the advanced beginner level at practicum sites involving pediatric or adult clients.
Notes: Restriction: Not open to students who have taken or are taking SCSD 684.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 629
Credit Weight: 2
Transcript Title: Augment&Alternative Communication 2
Calendar Title: Augmentative and Alternative Communication 2.
Description: Planning intervention with clients who would benefit from Augmentative and Alternative Communication (AAC) approaches. Key concepts related to characteristics and potential AAC users, components of AAC systems and strategies, assessment, and intervention.
Notes: Restriction: Not open to students who have taken or are taking SCSD 664.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 630
Credit Weight: 2
Transcript Title: Res & Measure Methodologies 2
Calendar Title: Research and Measurement Methodologies 2.
Description: Introduction to methodologies used in research and measurement in the field of communication sciences and disorders. Topics include: the nature and interpretation of test norms; validity; interpretation of test score differences; and questionnaire development (scaling). Examination of tests currently used in speech-language pathology and audiology.
Notes: Restriction: Not open to students who have taken or are taking SCSD 618.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 631
Credit Weight: 2
Transcript Title: Speech Science
Calendar Title: Speech Science.
Description: The acoustic analysis and perception of speech and related pathologies will be presented. Theories and models of speech production, speech motor control, and speech perception will be considered.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 632
Credit Weight: 3
Transcript Title: Phonological Disorders: Childrn
Calendar Title: Phonological Disorders: Children.
Description: The nature of phonological disorders and clinical approaches for their remediation in children will be presented.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 636
Credit Weight: 3
Transcript Title: Fluency Disorders

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Calendar Title: Fluency Disorders.
Description: The nature of stuttering, various causal theories, and techniques for evaluation and treatment of children and adults will be presented.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 637
Credit Weight: 3
Transcript Title: Devlpmntl Lang Disorders 1
Calendar Title: Developmental Language Disorders 1.
Description: The nature of developmental language disorders and the assessment of language competence and performance in both speaking and non-speaking children will be studied.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 638
Credit Weight: 2
Transcript Title: Neurolinguistics
Calendar Title: Neurolinguistics.
Description: Current theories of language-brain relationships and speech and language deficits subsequent to brain damage will be studied. A review of current research on phonetic, lexical, and syntactic processing in brain-damaged individuals is included.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 639
Credit Weight: 3
Transcript Title: Voice Disorders
Calendar Title: Voice Disorders.
Description: Information about the vocal mechanism, its pathologies, and methods of evaluation and treatment will be studied.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 642
Credit Weight: 3
Transcript Title: Aural Rehabilitation
Calendar Title: Aural Rehabilitation.
Description: This course addresses the effects of hearing impairment in adults as well as in the developing child with attention to problems in speech, language, and cognitive function as well as social-emotional adjustment. Various intervention approaches are examined.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active
SCSD 643
Credit Weight: 3
Transcript Title: Developmental Language Disorders 2
Calendar Title: Developmental Language Disorders 2.
Description: Major theories of language disorders are translated into intervention principles used in language treatment programs. Adaptations of intervention techniques to suit specific disorders (including augmentative communication) will be explored.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 644
Credit Weight: 3
Transcript Title: Acquired Language Disorders
Calendar Title: Acquired Language Disorders.
Description: Theoretical and clinical issues as well as principles relevant to the assessment and treatment of adults with acquired neurogenic language and cognitive-communication disorders (aphasia, right-hemisphere damage, dementia and traumatic brain injury).
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 646
Credit Weight: 4
Transcript Title: Introductory Clinical Practicum
Calendar Title: Introductory Clinical Practicum.
Description: This course provides an introduction to professional practice through intensive exposure to a variety of clinical populations.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 652
Credit Weight: 3
Transcript Title: Advanced Research Seminar 1
Calendar Title: Advanced Research Seminar 1.
Description: Pro seminar in which current research topics in communication disorders will be discussed.
Notes: This course may be taken as an advanced course for M.Sc. students.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 653
Credit Weight: 3
Transcript Title: Advanced Research Seminar 2
Calendar Title: Advanced Research Seminar 2.
Description:
Pro seminar in which current research topics in communication disorders will be discussed.

Notes:
This course may be taken as an advanced course for M.Sc. students.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 654
Credit Weight: 3
Transcript Title: Advanced Research Seminar 3
Calendar Title: Advanced Research Seminar 3.
Description: Current research topics in communication sciences and disorders.
Notes: Prerequisite: Permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 655
Credit Weight: 3
Transcript Title: Advanced Research Seminar 4
Calendar Title: Advanced Research Seminar 4.
Description: Current research topics in communication sciences and disorders.
Notes: Prerequisite: Permission of instructor

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 664
Credit Weight: 3
Transcript Title: Augment. & Alternative Commun.
Calendar Title: Augmentative and Alternative Communication.
Description: Planning intervention with clients who would benefit from Augmentative and Alternative Communication (AAC) approaches. Key concepts related to characteristics and potential AAC users, components of AAC systems and strategies, assessment, and intervention.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 666
Credit Weight: 3
Transcript Title: Comm Sci & Disorders 3
Calendar Title: Communication Sciences and Disorders 3.
Description: Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active
SCSD 667
Credit Weight: 3
Transcript Title: Comm Sci & Disorders 4
Calendar Title: Communication Sciences and Disorders 4.
Description: Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 669
Credit Weight: 3
Transcript Title: ASD & Neurodevelop. Disorders
Calendar Title: ASD and Neurodevelopmental Disorders.
Description: Autism spectrum disorders, dyslexia, and other learning disabilities. Fosters reflective clinical problem solving using case-based learning.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 670
Credit Weight: 3
Transcript Title: Comm Sci & Disorders 2
Calendar Title: Communication Sciences and Disorders 2.
Description: Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 671
Credit Weight: 12
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: Written and oral presentation of thesis proposal to the research Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 671D1
Credit Weight: 6
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: Written and oral presentation of thesis proposal to the research Supervisory Committee.
Notes: Students must register for both SCSD 671D1 and SCSD 671D2
No credit will be given for this course unless both SCSD 671D1 and SCSD 671D2 are successfully completed in consecutive terms
SCSD 671D1 and SCSD 671D2 together are equivalent to SCSD 671

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 671D2
Credit Weight: 6
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: See SCSD 671D1 for course description.
Notes: Prerequisite: SCSD 671D1
No credit will be given for this course unless both SCSD 671D1 and SCSD 671D2 are successfully completed in consecutive terms
SCSD 671D1 and SCSD 671D2 together are equivalent to SCSD 671

SCSD 671N1
Credit Weight: 6
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: Written and oral presentation of thesis proposal to the research Supervisory Committee.
Notes: Students must also register for SCSD 671N2
No credit will be given for this course unless both SCSD 671N1 and SCSD 671N2 are successfully completed in a twelve month period
SCSD 671N1 and SCSD 671N2 together are equivalent to SCSD 671

SCSD 671N2
Credit Weight: 6
Transcript Title: M.Sc. Thesis 1
Calendar Title: M.Sc. Thesis 1.
Description: See SCSD 671N1 for course description.
Notes: Prerequisite: SCSD 671N1
No credit will be given for this course unless both SCSD 671N1 and SCSD 671N2 are successfully completed in a twelve month period
SCSD 671N1 and SCSD 671N2 together are equivalent to SCSD 671

SCSD 672
Credit Weight: 12
Transcript Title: M.Sc. Thesis 2
Calendar Title: M.Sc. Thesis 2.
Description:
Written and oral presentation of thesis proposal to the research Supervisory Committee.

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Commun Sciences & Disorders  
**Status (catalog level):** Active

**SCSD 672D1**  
**Credit Weight:** 6  
**Transcript Title:** M.Sc. Thesis 2  
**Calendar Title:** M.Sc. Thesis 2.  
**Description:** Written and oral presentation of thesis proposal to the research Supervisory Committee.  
**Notes:**  
Students must register for both SCSD 672D1 and SCSD 672D2  
No credit will be given for this course unless both SCSD 672D1 and SCSD 672D2 are successfully completed in consecutive terms  
SCSD 672D1 and SCSD 672D2 together are equivalent to SCSD 672

**SCSD 672D2**  
**Credit Weight:** 6  
**Transcript Title:** M.Sc. Thesis 2  
**Calendar Title:** M.Sc. Thesis 2.  
**Description:** See SCSD 672D1 for course description.  
**Notes:**  
Prerequisite: SCSD 672D1  
No credit will be given for this course unless both SCSD 672D1 and SCSD 672D2 are successfully completed in consecutive terms  
SCSD 672D1 and SCSD 672D2 together are equivalent to SCSD 672

**SCSD 672N1**  
**Credit Weight:** 6  
**Transcript Title:** M.Sc. Thesis 2  
**Calendar Title:** M.Sc. Thesis 2.  
**Description:** Written and oral presentation of thesis proposal to the research Supervisory Committee.  
**Notes:**  
Students must also register for SCSD 672N2  
No credit will be given for this course unless both SCSD 672N1 and SCSD 672N2 are successfully completed in a twelve month period  
SCSD 672N1 and SCSD 672N2 together are equivalent to SCSD 672

**SCSD 672N2**  
**Credit Weight:** 6  
**Transcript Title:** M.Sc. Thesis 2
**Calendar Title:** M.Sc. Thesis 2.

**Description:**
See SCSD 672N1 for course description.

**Notes:**
Prerequisite: SCSD 672N1
No credit will be given for this course unless both SCSD 672N1 and SCSD 672N2 are successfully completed in a twelve month period
SCSD 672N1 and SCSD 672N2 together are equivalent to SCSD 672

**Administering Faculty:** Graduate Studies

**Teaching Department:** Commun Sciences & Disorders

**Status (catalog level):** Active

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**SCSD 673**

**Credit Weight:** 12

**Transcript Title:** M.Sc. Thesis 3

**Calendar Title:** M.Sc. Thesis 3.

**Description:**
Written and oral presentation of thesis proposal to the research Supervisory Committee.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Commun Sciences & Disorders

**Status (catalog level):** Active

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**SCSD 673D1**

**Credit Weight:** 6

**Transcript Title:** M.Sc. Thesis 3

**Calendar Title:** M.Sc. Thesis 3.

**Description:**
Written and oral presentation of thesis proposal to the research Supervisory Committee.

**Notes:**
Students must register for both SCSD 673D1 and SCSD 673D2
No credit will be given for this course unless both SCSD 673D1 and SCSD 673D2 are successfully completed in consecutive terms
SCSD 673D1 and SCSD 673D2 together are equivalent to SCSD 673

**Administering Faculty:** Graduate Studies

**Teaching Department:** Commun Sciences & Disorders

**Status (catalog level):** Inactive

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**SCSD 673D2**

**Credit Weight:** 6

**Transcript Title:** M.Sc. Thesis 3

**Calendar Title:** M.Sc. Thesis 3.

**Description:**
See SCSD 673D1 for course description.

**Notes:**
Prerequisite: SCSD 673D1
No credit will be given for this course unless both SCSD 673D1 and SCSD 673D2 are successfully completed in consecutive terms
SCSD 673D1 and SCSD 673D2 together are equivalent to SCSD 673

**Administering Faculty:** Graduate Studies

**Teaching Department:** Commun Sciences & Disorders

**Status (catalog level):** Inactive

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**SCSD 673N1**

**Credit Weight:** 6
Transcript Title: M.Sc. Thesis 3
Calendar Title: M.Sc. Thesis 3.
Description:
Written and oral presentation of thesis proposal to the research Supervisory Committee.
Notes:
Students must also register for SCSD 673N2
No credit will be given for this course unless both SCSD 673N1 and SCSD 673N2 are successfully completed in a twelve month period
SCSD 673N1 and SCSD 673N2 together are equivalent to SCSD 673
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Inactive

SCSD 673N2
Credit Weight: 6
Transcript Title: M.Sc. Thesis 3
Calendar Title: M.Sc. Thesis 3.
Description:
See SCSD 673N1 for course description.
Notes:
Prerequisite: SCSD 673N1
No credit will be given for this course unless both SCSD 673N1 and SCSD 673N2 are successfully completed in a twelve month period
SCSD 673N1 and SCSD 673N2 together are equivalent to SCSD 673
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Inactive

SCSD 674
Credit Weight: 3
Transcript Title: M.Sc. Thesis 4
Calendar Title: M.Sc. Thesis 4.
Description:
Written and oral presentation of thesis proposal to the research Supervisory Committee.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Inactive

SCSD 675
Credit Weight: 12
Transcript Title: Special Topics 1
Calendar Title: Special Topics 1.
Description:
Review of special topics in communication sciences and disorders.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Inactive

SCSD 676
Credit Weight: 9
Transcript Title: Special Topics 2
Calendar Title: Special Topics 2.
Description:
Review of special topics in communication sciences and disorders.
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Inactive

SCSD 677
Credit Weight: 6
Transcript Title: Special Topics 3
Calendar Title: Special Topics 3.
Description:
Review of special topics in communication sciences and disorders.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 678
Credit Weight: 3
Transcript Title: Special Topics 4
Calendar Title: Special Topics 4.
Description:
Review of special topics in communication sciences and disorders.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 679
Credit Weight: 12
Transcript Title: Advanced Clinical Practicum
Calendar Title: Advanced Clinical Practicum.
Description:
This course enhances professional practice independence through intensive exposure to a variety of clinical populations.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 680
Credit Weight: 3
Transcript Title: Deglutition and Dysphagia
Calendar Title: Deglutition and Dysphagia.
Description:
Advanced physiology and neurophysiology of mastication and deglutition, including normal function and diagnosis and treatment of swallowing disorders.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 681
Credit Weight: 3
Transcript Title: Practicum and Seminar 1
Calendar Title: Practicum and Seminar 1.
Description:
Various aspects of clinical training, including practice of multiple clinical roles at the novice level. Practicum involves pediatric or adult clients.
Notes:
Students in the M.Sc. Applied (Communication Science) are required to have
identification when off campus at Internship sites, hence a fee of $39.78 is charged to all enrolled students to cover the cost of two name badges. The fee is non-refundable after July 31st, unless special permission is obtained by the department.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 682
Credit Weight: 3
Transcript Title: Practicum and Seminar 2
Calendar Title: Practicum and Seminar 2.
Description: Various aspects of clinical training, including practicing multiple clinical roles at the novice level. The practicum involves pediatric or adult clients.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 683
Credit Weight: 1
Transcript Title: Practicum & Seminar 3
Calendar Title: Practicum and Seminar 3.
Description: Professional practice experiences focusing on a variety of clinical populations are provided. Discussion of advanced issues in clinical practice is included.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 684
Credit Weight: 1
Transcript Title: Practicum & Seminar 4
Calendar Title: Practicum and Seminar 4.
Description: This course provides clinical practicum experiences in a range of settings. Professional practice issues are considered.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 685
Credit Weight: 3
Transcript Title: Research Project 1
Calendar Title: Research Project 1.
Description: Supervised research project.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 686
Credit Weight: 3
Transcript Title: Research Project 2
Calendar Title: Research Project 2.
Description: Supervised research project.
SCSD 687
Credit Weight: 3
Transcript Title: Special Topics 5
Calendar Title: Special Topics 5.
Description:
Special topics in communication sciences and disorders.
Notes:
Prerequisite: Permission of instructor

SCSD 688
Credit Weight: 1
Transcript Title: Genet: Speech-Lang Path Pract
Calendar Title: Genetics in Speech-Language Pathology Practice
Description:
Normal human genetics and embryological development, their relationship to congenital disorders that affect communication and swallowing, and implications for speech-language pathology practice.
Notes:
Prerequisite(s): SCSD 617 or permission of the instructor
Restriction(s): Open only to students in the M.Sc.(Applied) in Communication Sciences and Disorders; Non-Thesis-Speech-Language Pathology program

SCSD 689
Credit Weight: 1
Transcript Title: Mgmt Cranio-Facial Disorders
Calendar Title: Management Cranio-Facial Disorders
Description:
Cranio-facial disorders and the role of the speech-language pathologist in the clinical management of patients with these disorders in relation to the roles of other members of the cranio-facial team.
Notes:
Prerequisite: SCSD 617 or permission of the instructor

SCSD 701
Credit Weight: 0
Transcript Title: Doctoral Comprehensive
Calendar Title: Doctoral Comprehensive
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.

Administering Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active
SCSD 701D1
Credit Weight: 0
Transcript Title: Doctoral Comprehensive
Calendar Title: Doctoral Comprehensive.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes: Students must register for both SCSD 701D1 and SCSD 701D2
No credit will be given for this course unless both SCSD 701D1 and SCSD 701D2 are successfully completed in consecutive terms
SCSD 701D1 and SCSD 701D2 together are equivalent to SCSD 701
Administrating Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 701D2
Credit Weight: 0
Transcript Title: Doctoral Comprehensive
Calendar Title: Doctoral Comprehensive.
Description: See SCSD 701D1 for course description.
Notes: Prerequisite: SCSD 701D1
No credit will be given for this course unless both SCSD 701D1 and SCSD 701D2 are successfully completed in consecutive terms
SCSD 701D1 and SCSD 701D2 together are equivalent to SCSD 701
Administrating Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active

SCSD 712
Credit Weight: 2
Transcript Title: Language Acquisition Issues 4
Calendar Title: Language Acquisition Issues 4.
Description: An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Administrating Faculty: Graduate Studies
Teaching Department: Commun Sciences & Disorders
Status (catalog level): Active
SEAD 500
Credit Weight: 3
Transcript Title: Fndns of Sust for Eng & Des
Calendar Title: Foundations of Sustainability for Engineering and Design.
Description: Perspectives and debates from different disciplines and fields on sustainability and how it may be conceptualized, operationalized and evaluated; its implications for problem formulation and policy analysis, ethical considerations and strategies of implementation related to engineering and design; the need for integrating multiple perspectives and dimensions; stakeholder perspectives.
Notes:
(3-0-6)
Restriction: Only open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register with permission of the instructor.
NOTICE: Students in the TISED Master program only may enroll in this course

SEAD 510
Credit Weight: 4
Transcript Title: Energy Analysis
Calendar Title: Energy Analysis.
Description: Critical analysis of the importance of energy to society, the unsustainability of the current energy system, and potential options for a sustainable energy system. Topics include: peak oil and climate change, fundamental energy metrics, traditional and alternative primary and secondary power systems, and energy storage technologies. Quantitative energy analysis is applied to a set of case studies investigating energy use, energy generation, and energy storage and transport.
Notes:
(3-0-9)
Prerequisite: Permission of instructor.
Restrictions: Restricted to students registered in the Faculty of Engineering (including the School of Architecture and the School of Urban Planning). Not open to undergraduate students in Chemical Engineering.

SEAD 515
Credit Weight: 3
Transcript Title: Climate Change Adapt&Eng Infra
Calendar Title: Climate Change Adaptation and Engineering Infrastructure.
Description: Climate resilience and sustainability of engineering systems such as the built environment and engineering infrastructure in the context of a changing climate, possible mitigation and adaptation strategies and associated challenges and opportunities. Review of the basic principles that underpin the science of climate change; the role of global and regional climate models in predicting the behaviour of the climate system in response to different forcing scenarios, and the use of climate model outputs in support of across scale climate-resilience of various engineering systems including infrastructure systems.
Notes:
(3-0-6)
Restrictions: Restricted to students registered in the Faculty of Engineering (including the School of Architecture and the School of Urban Planning).

Administering Faculty: Faculty of Engineering

Teaching Department: Trottier Inst Sust, Eng & Design

Status (catalog level): Active

SEAD 520
Credit Weight: 3

Transcript Title: Life Cycle-Based Env Footprint

Calendar Title: Life Cycle-Based Environmental Footprinting.

Description:
Introduction to Life Cycle-Based Environmental Footprinting and the application of basic methods for life-cycle environmental inventory and impacts modeling. LCA theory and quantitative analysis, approaches for assessing and reducing the environmental impacts of product, process, and technology systems. System boundary and functional unit design approaches, process-based and input-output-based methods for modeling mass and energy flows in life-cycle systems. How LCA can facilitate sustainable technology innovation and deployment, behavioural and societal changes, and policies, standards and regulations.

Notes:
(3-0-6)

Restrictions: Restricted to students registered in the Faculty of Engineering (including the School of Architecture and the School of Urban Planning).

Administering Faculty: Faculty of Engineering

Teaching Department: Trottier Inst Sust, Eng & Design

Status (catalog level): Active

SEAD 530
Credit Weight: 3

Transcript Title: Econ for Sust in Eng & Des

Calendar Title: Economics for Sustainability in Engineering and Design.

Description:
Micro and macroeconomics of sustainability, market structures, principles of substitution, market failures and externalities, monetization and pricing of externalities. Policy instruments, permits and licenses, mandates, incentives, penalties, taxation and eco-social principles, mechanism design, the principles of life cycle analyses and the circular economy. Impact of engineering on ecological and economic sustainability.

Notes:
(3-0-6)

Restriction: Only open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register with permission of the instructor.

Administering Faculty: Faculty of Engineering

Teaching Department: Trottier Inst Sust, Eng & Design

Status (catalog level): Active

SEAD 540
Credit Weight: 3

Transcript Title: Industrial Ecology and Systems

Calendar Title: Industrial Ecology and Systems.

Description:
Industrial ecology theory, concepts, normative goals and analytical methods. Material and energy flows, environmental impacts of industrial activities, systems thinking, transitioning from linear to closed loop systems, recent contributions to sustainable product systems, urban metabolism, optimized
materials or energy management, development of a circular economy, new environmental policies and business models based on product or material lifecycle information. Consumer and organizational behaviour in transitioning to sustainable industrial systems.

Notes:
(3-0-6)
Restriction: Only open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register with permission of the instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Trottier Inst Sust,Eng&Design
Status (catalog level): Active

SEAD 550
Credit Weight: 3
Transcript Title: Dec-Making for Sust: Eng & Des
Calendar Title: Decision-Making for Sustainability in Engineering and Design.
Description:
Role and importance of engineering decisions of environmental, social, and economic problems and the application of decision-making approaches and tools to engineering sustainability. Multi-criteria decision-making, uncertainty analysis, game theory, sustainability metrics, life cycle analysis evaluation and impact assessment methodologies, design problem formulation, stage-dependent strategies, case studies.
Notes:
(3-0-6)
Restriction: Only open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register with permission of the instructor.

Administering Faculty: Faculty of Engineering
Teaching Department: Trottier Inst Sust,Eng&Design
Status (catalog level): Active

SEAD 600
Credit Weight: 3
Transcript Title: Sustainability Research 1
Calendar Title: Sustainability Research 1.
Description:
Independent research work on topic(s) chosen by consultation between the student and professor.
Notes:
Restrictions: Must have completed a minimum of 9 credits from the list of core courses in the M.Eng. in Sustainability in Engineering and Design; Non-Thesis program.
1. Students must find a supervisor before registering for this course. Supervisors outside the Faculty of Engineering are subject to approval by the program director.

Administering Faculty: Graduate Studies
Teaching Department: Trottier Inst Sust,Eng&Design
Status (catalog level): Active

SEAD 602
Credit Weight: 3
Transcript Title: Sustainability Research 2
Calendar Title: Sustainability Research 2.
Description:
Continuation of the independent research work.
Notes:
Restrictions: Must have completed a minimum of 9 credits from the list of core courses in the M.Eng. in Sustainability in Engineering and Design; Non-Thesis program.
1. Students must find a supervisor before registering for this course. Supervisors outside the Faculty of Engineering are subject to approval by the program director.
Prerequisites: SEAD 600
Administering Faculty: Graduate Studies
Teaching Department: Trottier Inst Sust,Eng&Design
Status (catalog level): Active

SEAD 660
Credit Weight: 3
Transcript Title: Strategies for Sustainability
Calendar Title: Strategies for Sustainability.
Description:
Governance models for sustainability and their competitive market advantages, sustainability investment case studies, common misconceptions and limits of sustainability and economic theory, structural and institutional changes for sustainability, systems theory and managerial approaches, business risk and competitive strategies, sustainability and financial acumen, communicating sustainability performance metrics in business.
Notes:
Restrictions: Open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register subject to approval by professor.
1. Must have completed a minimum of 9 credits from the list of core courses in the M.Eng. in Sustainability in Engineering and Design; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Trottier Inst Sust,Eng&Design
Status (catalog level): Active

SEAD 670
Credit Weight: 5
Transcript Title: Collaborative Des for Sustain
Calendar Title: Collaborative Design for Sustainability.
Description:
Team project designing an improved product or service, as measured by a range of sustainable design and economic criteria.
Notes:
Restrictions: Open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register subject to approval by professor.
1. Must have completed a minimum of 9 credits from the list of core courses in the M.Eng. in Sustainability in Engineering and Design; Non-Thesis program.
Administering Faculty: Graduate Studies
Teaching Department: Trottier Inst Sust,Eng&Design
Status (catalog level): Active
SENT 499

Credit Weight: 3

Transcript Title: Intern: Social Entrepreneurship

Calendar Title: Internship: Social Entrepreneurship.

Description:
The Social Entrepreneurship internship allows students to earn university credits while gaining experience working in areas relevant to the Minor Concentration in Social Entrepreneurship. Internships consist of a minimum of 150 hours of work with an approved host institution or organization.

Notes:
Prior to taking SENT 499, all students must get permission from the Minor Concentration in Social Entrepreneurship Program Director. Registration note: For summer internships, students register for this course in the following fall semester.

Restriction(s): Only open to students in the B.A.; Minor Concentration in Social Entrepreneurship

Administering Faculty: Faculty of Arts

Teaching Department: Arts - Dean's Office

Status (catalog level): Active
SOCIO 210
Credit Weight: 3
Transcript Title: Sociological Perspectives
Calendar Title: Sociological Perspectives.
Description: Major theoretical perspectives and research methods in sociology. The linkages of theory and method in various substantive areas including: the family, community and urban life, religion, ethnicity, occupations and stratification, education, and social change.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCIO 211
Credit Weight: 3
Transcript Title: Sociological Inquiry
Calendar Title: Sociological Inquiry.
Description: An introductory review of methods of sociological research including research design, elementary quantitative data analysis, observation, and use of official statistics. Detailed examination of published examples of the use of each of the major techniques of data analysis and collection.
Notes: Prerequisite or Corequisite: SOCI 210
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCIO 212
Credit Weight: 3
Transcript Title: International Migration
Calendar Title: International Migration.
Description: Introduction to social science research on international migration. Covers theories about why people migrate, constraints to migration, and various aspects of immigrant integration. Will explore key theoretical debates of the field and the empirical data and case studies on which these debates hinge.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCIO 213
Credit Weight: 3
Transcript Title: Deviance
Calendar Title: Deviance.
Description: Introduction to the sociological study of deviance. The course examines biological, psychological and sociological explanations for deviance. Topics covered include sexual deviance, mental disorders, and drug use.
Notes: Restriction(s): Not open to students who have taken SOCI 377.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active
Credit Weight: 3
Transcript Title: Urban Sociology
Calendar Title: Urban Sociology.
Description:
Comparative analysis of the process of urbanization in Europe, North America and
the Third World; effects of urbanization upon social institutions and individuals;
thories of urbanization and urbanism; the Canadian urban system; urban problems
in comparative view.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 225
Credit Weight: 3
Transcript Title: Medicine & Health in Modern Society
Calendar Title: Medicine and Health in Modern Society.
Description:
Socio-medical problems and ways in which sociological analysis and research are
being used to understand and deal with them. Canadian and Québec problems include:
poverty and health; mental illness; aging; death and dying; professionalism;
health service organization.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 227
Credit Weight: 3
Transcript Title: Jews in North America
Calendar Title: Jews in North America.
Description:
An introduction to the study contemporary North American Jewry using findings of
sociology and other social sciences. Social, cultural, and political issues of
concern to the Jewish community. Specific characteristics of Jewish life in
Canada, and Québec in particular, in comparison to the American Jewish experience.
Notes:
Restriction(s): Not open to students who have taken SOCI 327.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 230
Credit Weight: 3
Transcript Title: Sociology of Ethnic Relations
Calendar Title: Sociology of Ethnic Relations.
Description:
An introduction to the sociological study of minority groups in Canada. The course
will explore the themes of racism, prejudice, and discrimination, ethnic and
racial inequalities, cultural identities, multiculturalism, immigration.
Theoretical, empirical, and policy issues will be discussed. While the focus will
be primarily on Canada, comparisons will be made with the United States.
Notes:
Prerequisite: SOCI 210 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active
SOCI 234
Credit Weight: 3
Transcript Title: Population & Society
Calendar Title: Population and Society.
Description: Introduction to the reciprocal linkages in the social world between population size, structure and dynamics on the one hand, social structure, action and change on the other. An examination of population processes and their relation to the social world.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 235
Credit Weight: 3
Transcript Title: Technology and Society
Calendar Title: Technology and Society.
Description: An examination of the extent to which technological developments impose constraints on ways of arranging social relationships in bureaucratic organizations and in the wider society: the compatibility of current social structures with the effective utilization of technology.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 245
Credit Weight: 3
Transcript Title: The Sociology of Emotions
Calendar Title: The Sociology of Emotions.
Description: Introduction to the sociology of emotions. Exploration of how social relations and emotions affect one another, focusing on the social determinants of emotions, the social construction of emotions, and the effects of emotions on social consensus and conflict. The sociological study of emotions intersects with psychology and neuroscience, and this course helps to situate sociology in these related disciplines.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 247
Credit Weight: 3
Transcript Title: Family & Modern Society
Calendar Title: Family and Modern Society.
Description: Contrasting family in Canada and in the United States for the recent past. Examination of theories on family; changes and diversity of family life; complex relationships among marriage, work, and family; domestic violence; various types of family experience; and the future of the family.
Notes: Course for the Women's Studies Concentrations
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active
SOUL 250
Credit Weight: 3
Transcript Title: Social Problems
Calendar Title: Social Problems.
Description: Contrasting theoretical approaches to social problems.
Notes: Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOUL 254
Credit Weight: 3
Transcript Title: Development&Underdevelopment
Calendar Title: Development and Underdevelopment.
Description: Competing theories about the causes of underdevelopment in the poor countries. Topics include the impact of geography, the population explosion, culture and national character, economic and sexual inequalities, democracy and dictatorship. Western imperialism and multi-national corporations, reliance on the market, and development through local participation, cooperation, and appropriate technology.
Notes: Summer
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOUL 255
Credit Weight: 3
Transcript Title: Gender and the State
Calendar Title: Gender and the State.
Description: How is political participation, representation, and mobilization within existing democracies gendered? This course provides an introduction to social scientific literature on gender and politics. Using theoretical and empirical work in sociology, political science, and history, this course helps students identify gender disparities in political processes and debate their causes.
Notes: Prerequisite: SOUL 210
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOUL 265
Credit Weight: 3
Transcript Title: War, States and Social Change
Calendar Title: War, States and Social Change.
Description: The impact of war on society in agrarian and industrial epochs. Particular attention is given to the relationship between war and economic development, social classes, nationalism, and democratization.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active
SOCI 270
Credit Weight: 3
Transcript Title: Sociology of Gender
Calendar Title: Sociology of Gender.
Description: This course focuses on social changes in gender relations, gender inequalities and the social construction of gender. Using sociological theories of gender, different social institutions and spheres of society will be analyzed. Topics such as gender socialization, gender relations in work, family, education, and media will be covered.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 304
Credit Weight: 3
Transcript Title: Sociology of the Welfare State
Calendar Title: Sociology of the Welfare State.
Description: The origins and history of the welfare state and the differences between types of welfare state regimes; debates about and empirical evidence for current developments in welfare state programs. Special attention will be paid to the interconnections between the evolution of the labour market and the resulting pressures on the welfare state.
Notes:
Prerequisites: SOCI 210 and SOCI 211 or instructors permission.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 305
Credit Weight: 3
Transcript Title: Socialization
Calendar Title: Socialization.
Description: The effects of early childhood experiences upon adult personality, and the transmission of social roles and values. Topics include: social reinforcement theories, modeling theories, maternal deprivation, culture and personality studies, cognitive development and infantile sexuality. The processes of sex role socialization.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 307
Credit Weight: 3
Transcript Title: Globalization
Calendar Title: Globalization.
Description: Socio-economic, political and cultural dynamics related to processes of globalization. An examination of the following: key theoretical foundations of the globalization debate; the extent and implications of economic globalization; global governance and the continuing relevance of nation-states; instances of
transnational activism; the diffusion of cultural practices; patterns and management of global migration and mobility.

Notes:
Prerequisite: SOCI 210 or Permission of Instructor

Administering Faculty: Faculty of Arts

Teaching Department: Sociology

Status (catalog level): Active

SOCI 309
Credit Weight: 3
Transcript Title: Health and Illness
Calendar Title: Health and Illness.
Description:
Health and illness as social rather than purely bio-medical phenomena. Topics include: studies of ill persons, health care occupations and organizations; poverty and health; inequalities in access to and use of health services; recent policies, ideologies, and problems in reform of health services organization.

Administering Faculty: Faculty of Arts

Teaching Department: Sociology

Status (catalog level): Active

SOCI 310
Credit Weight: 3
Transcript Title: Sociology of Mental Health
Calendar Title: Sociology of Mental Health.
Description:
Three broad areas of sociological research on mental health and illness: definitions and measurement; social origins; and societal responses. Mental health and illness as a product of social circumstances.

Administering Faculty: Faculty of Arts

Teaching Department: Sociology

Status (catalog level): Active

SOCI 312
Credit Weight: 3
Transcript Title: Sociology of Work and Industry
Calendar Title: Sociology of Work and Industry.
Description:
The development of the world of work from the rise of industrial capitalism to the postindustrial age. Responses of workers and managers to changing organizational, technological and economic realities. Interrelations between changing demands in the workplace and the functioning of the labour market. Canadian materials in comparative perspective.

Administering Faculty: Faculty of Arts

Teaching Department: Sociology

Status (catalog level): Active

SOCI 318
Credit Weight: 3
Transcript Title: Sociology of the Media
Calendar Title: Sociology of the Media.
Description:
A survey course; examines various topics, theories, and research related to the sociological and cultural study of the media, both traditional and new.

Notes:
Administering Faculty: Faculty of Arts

Teaching Department: Sociology
Status (catalog level): Active

SOCI 320
Credit Weight: 3
Transcript Title: Topics in Sociology 2
Calendar Title: Topics in Sociology 2.
Description:
Examination of selected topics in sociological theory and research.
Notes:
Prerequisite: SOC1 210 or Permission of instructor.
Note: Topics will vary from year to year.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 321
Credit Weight: 3
Transcript Title: Gender and Work
Calendar Title: Gender and Work.
Description:
Focus on men's and women's work in North American societies, historically and contemporarily, in order to understand the dynamisms of gender (in)equality in and outside of the home. Topics explored include: housework; the relationship(s) between gender, organizations and bureaucracy; emotional labour; occupational segregation and stratification; sexual harassment; and work-family policy.
Notes:
Course for the Women's Studies Concentrations
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 322
Credit Weight: 3
Transcript Title: Sociology of Literature
Calendar Title: Sociology of Literature.
Description:
A review of sociological research on the production, readership, and broader social implications of literature. Topics will include: the issue of whether literature "reflects" society, the use of literature in establishing collective identities, and reading as a social practice.
Notes:
Prerequisite: SOCI-219.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 325
Credit Weight: 3
Transcript Title: Sociology of Science
Calendar Title: Sociology of Science.
Description:
A review of sociological research on science as an institution. Topics include the culture and practice of science, societal influences on scientific processes, the use of scientific output and technology in media and society, and the impact of cultural and institutional forces on the evolution of scientific knowledge.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 326
Credit Weight: 3
Transcript Title: Political Sociology 01
Calendar Title: Political Sociology 01.
Description:
An examination of the social changes that underlie the emergence of modern politics. An outline and empirical critique of the principal alternative models of political functioning in industrial societies. Empirical analysis of elite and mass political behaviour.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 330
Credit Weight: 3
Transcript Title: Sociological Theory
Calendar Title: Sociological Theory.
Description:
Major themes in sociological theory as developed by key classical and contemporary theorists. Uses and limitations of social theory for understanding the social world. Themes may include inequality/power; culture/structure/values; strategic action; and social construction.
Notes:
Prerequisite: SOCI 210 or permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 331
Credit Weight: 3
Transcript Title: Population and Environment
Calendar Title: Population and Environment.
Description:
Main topics and controversies linking population processes and the environment. Topics include how population processes influence the environment, population responses to changing environments, policies related to these effects, variation across and within developed and developing countries.
Notes:
Prerequisite(s): SOCI 210 or SOCI 211 or SOCI 234 or SOCI 254
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 333
Credit Weight: 3
Transcript Title: Social Stratification
Calendar Title: Social Stratification.
Description:
The pattern, causes and consequences of social inequality. Among the inequalities considered are those of economic class, sex (gender), race, ethnicity and age. Competing theories of the causes of social inequalities are compared and assessed.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 335
Credit Weight: 3
Transcript Title: Soci of Aging & the Life Crse
Calendar Title: Sociology of Aging and the Life Course.
Description: This class will introduce students to the growing body of interdisciplinary research suggesting social factors strongly influence healthy and successful aging. Topics will include the impact of stratification (race, class, gender), neighborhood processes, social networks, family and partnerships, and bio-social interactions, on life trajectories and the aging process.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 341
Credit Weight: 3
Transcript Title: Current Problems in Soc 02
Calendar Title: Current Problems in Sociology 02.
Description: Intended for students who are adequately prepared to undertake advanced work and have an explicit proposal to submit.
Notes:
Prerequisite: permission of instructor.
Restriction: Open to U2 and U3 students only
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 342
Credit Weight: 3
Transcript Title: Independent Study 1
Calendar Title: Independent Study 1.
Description: Intended for students who are adequately prepared to undertake advanced work and have an explicit proposal to submit.
Notes:
Prerequisite: permission of instructor.
Restriction: Open to U2 and U3 students only
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 343
Credit Weight: 3
Transcript Title: Independent Study 2
Calendar Title: Independent Study 2.
Description: Intended for students who are adequately prepared to undertake advanced work and have an explicit proposal to submit.
Notes:
Prerequisite: permission of instructor.
Restriction: Open to U2 and U3 students only
Administering Faculty: Faculty of Arts
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 345  
Credit Weight: 3  
Transcript Title: Topics in Sociology 1  
Calendar Title: Topics in Sociology.  
Description:  
Topics in Sociology. Topic varies by year.  
Notes:  
Prerequisite: SOCI 210

Administering Faculty: Faculty of Arts
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 350  
Credit Weight: 3  
Transcript Title: Statistics in Social Research  
Calendar Title: Statistics in Social Research.  
Description:  
This is an introductory course in descriptive and inferential statistics. The course is designed to help students develop a critical attitude toward statistical argument. It serves as a background for further statistics courses, helping to provide the intuition which can sometimes be lost amid the formulas.  
Notes:  
Prerequisite: SOCI 211  
Restriction: Not open to students who have taken PSYC 204, PSYC 305 or ECON 227  
You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 354  
Credit Weight: 3  
Transcript Title: Dynamics of Indus Societies  
Calendar Title: Dynamics of Industrial Societies.  
Description:  
Theories of social, economic, and political change in the industrialized societies. Causes of cycles in economic growth; imperialism and war; and in ethnic, religious, and industrial conflict. Causes of long run trends in social inequality, crime, family stability, and the position of women. Comparison of North America, Europe, Russia, and Japan.  
Notes:  
Prerequisite: SOCI 210 or any other introductory course in the social sciences

Administering Faculty: Faculty of Arts
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 355  
Credit Weight: 3  
Transcript Title: Rural Life in a Global Society  
Calendar Title: Rural Life in a Global Society.  
Description:  
Focus on rural life in North America in the context of rapid globalization and
accompanying social, demographic, economic, and cultural change. Topics include rural identity, persistent poverty, gender, race/ethnicity, environmental issues, politics, economic development strategies, education, demographic decline and aging, internal migration, health, and family dynamics.

**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Sociology  
**Status (catalog level):** Active

**SOCI 365**  
**Credit Weight:** 3  
**Transcript Title:** Health and Development  
**Calendar Title:** Health and Development.  
**Description:**  
Main concepts and controversies linking health to broader social and economic conditions in low income countries. Topics include the demographic and epidemiological transitions, the health and wealth conundrum, the social determinants of health, health as an economic development strategy, and the impact of the AIDS pandemic.  
**Notes:**  
Prerequisite: SOCI 234 or SOCI 254  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Sociology  
**Status (catalog level):** Active

**SOCI 366**  
**Credit Weight:** 3  
**Transcript Title:** Neighborhoods and Inequality  
**Calendar Title:** Neighborhoods and Inequality.  
**Description:**  
The causes and consequences of neighbourhood-based social inequalities in the United States, Canada, and Western Europe. Forms of inequality covered include poverty, segregation, ethnic enclaves, unemployment, educational attainment, crime, and health. Methodological issues and social policy will also be examined.  
**Notes:**  
Offered in Winter 2014  
Prerequisite(s): SOCI 210 & SOCI 222  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Sociology  
**Status (catalog level):** Active

**SOCI 370**  
**Credit Weight:** 3  
**Transcript Title:** Sociology: Gender & Development  
**Calendar Title:** Sociology: Gender and Development.  
**Description:**  
Exploration of the main development theories and discussion of how gender is placed within them, analysis of the practical application of development projects and discussion of how they affect gender dynamics, and examination of power relations between development agencies and developing countries. Examples from Sub-Saharan Africa and Latin America are used.  
**Notes:**  
Prerequisite: SOCI 210  
**Administering Faculty:** Faculty of Arts  
**Teaching Department:** Sociology  
**Status (catalog level):** Active

**SOCI 375**
Credit Weight: 3
Transcript Title: Suspect Minorities in Canada
Calendar Title: Suspect Minorities in Canada.
Description:
This course will address the challenge of diverse, liberal societies like Canada, of dealing with "suspect" minorities of various types --racial, ethnic, religious, linguistic -- from the perspective of the minority group, and majority group, and the society and polity at large.
Notes:
Prerequisite(s): SOCI 210, or SOCI230, or consent of the instructor
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 385
Credit Weight: 3
Transcript Title: Sociology of Human Sexuality
Calendar Title: Sociology of Human Sexuality.
Description:
Sociological perspectives on sexual activity and attitudes, and their consequences for individuals and society. Topics include gender and life-course patterns, race and class differences, social networks and STDs, and interactions of biological (hormonal, genetic) and social factors in shaping sex. Emphasis is on quantitative evidence from recent national surveys.
Notes:
Prerequisite: SOCI 210 Sociological Perspectives
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 386
Credit Weight: 3
Transcript Title: Contemporary Social Movements
Calendar Title: Contemporary Social Movements.
Description:
This course will focus on contemporary social movements in Canada, the U.S., and Western Europe, such as the civil rights movement, the women's movement, and the environmental movement. Empirical studies of movements will be used to explore such general issues as how social movements emerge, grow, and decline.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 388
Credit Weight: 3
Transcript Title: Crime
Calendar Title: Crime.
Description:
Introductory course on methods and theories in criminology. Exploration of the nature and distribution of crime; and critical evaluation of definitions and the measurement of crime; review of theoretical approaches used to understand such a phenomenon; a comparative overview of the criminal justice system.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 390
Credit Weight: 3
Transcript Title: Gender and Health
Calendar Title: Gender and Health.
Description: Key conceptual and substantive issues in gender and health since c1950: stratified medicalization of women's and men's health; social movements in health including the women's health movement; gender inequality in morbidity and mortality; gender, power and control in patient/physician interactions; embodied experience; politics and policies of gender and health.
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 395
Credit Weight: 3
Transcript Title: Sociology of Law
Calendar Title: Sociology of Law.
Description: The course provides an overview of the role that law plays in modern society from a sociological perspective. The first part of the course explores major theoretical traditions within the sociology of law emphasizing relevant theoretical statements by Durkheim, Marx, and Weber and examines how these theories continue to influence our understanding of the law today. The second part draws from both theoretical and empirical work to assess the ways in which the law serves as a form of social control, produces and reproduces inequality in society, and finally considers the possibility that law can act as a vehicle for social change.
Notes: Prerequisite(s): SOCI 210
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 400
Credit Weight: 3
Transcript Title: Comp. Migration & Citizenship
Calendar Title: Comparative Migration and Citizenship.
Description: Advanced course on international migration, belonging and diversity in contemporary societies. Will examine dynamics of exclusion and inclusion, the accommodation of cultural diversity, the adaptation of immigrants and how global international migration challenges and re-shapes citizenship. Will cover key theoretical debates in the field and the data and case studies on which these debates hinge.
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 405
Credit Weight: 3
Transcript Title: Families over the Life Course
Calendar Title: Families over the Life Course.
Description:
This course examines the comparative and interdisciplinary dimensions of family changes and their repercussions on individuals' life courses. It examines topics such as the effects of parental separation on children's well-being and development, or the impact of the diversification of family trajectories on the provision of care at old age.

Notes:
Prerequisite: SOCI 210 or SOCI 247 or permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 410
Credit Weight: 3
Transcript Title: Urban Ethnography
Calendar Title: Urban Ethnography
Description: This course surveys the tradition of urban ethnography in sociology. Students will read, discuss, and assess major classic and modern urban ethnographies as well as theoretical and methodological debates that pertain to urban ethnography. Special attention will be paid to scholarship that illuminates race and ethnicity, crime, and poverty as social phenomena.

Notes:
Prerequisite(s): SOCI 222 or SOCI 366

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 415
Credit Weight: 3
Transcript Title: Education and Inequality
Calendar Title: Education and Inequality
Description: Focuses on the mechanisms by which educational institutions foster and maintain equalities and inequalities around the world, considers the kinds of inequalities which exist in our society, their bases and sources, and analyzes educational practices and structures related to the production and maintenance of equalities and inequalities. Considers the consequences of educational opportunity of recent reform proposals, and the relation of education to occupational opportunities. Engages with multidisciplinary theories of social stratification and examines empirical and theoretical studies from both low-and high-income societies.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 420
Credit Weight: 3
Transcript Title: Organizations
Calendar Title: Organizations
Description: A survey of theories of organization with particular reference to problems of growth, technology, centralization and decentralization, and organizational environments.

Notes:
Prerequisites: SOCI 210 or SOCI 235

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 424
Credit Weight: 3
Transcript Title: Networks & Social Structures
Calendar Title: Networks and Social Structures.
Description:
Relational and network-analytical approaches to social structure. The theory and methods of network analysis. Subjects will include communication networks, online community structure, social support, influence processes, and overlapping networks.
Notes:
Familiarity with R, Stata, or another programming language is strongly encouraged.
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 430
Credit Weight: 3
Transcript Title: Sociology of Citizenship
Calendar Title: Sociology of Citizenship.
Description:
Advanced course on theoretical approaches to citizenship. Focus will be on multiple dimensions of citizenship: legal status, rights, participation and belonging. Examines how class, race, ethnicity, gender and immigrant status inform the relationship between individuals and states. Will address contemporary debates about the reconfiguration of citizenship.
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 441
Credit Weight: 3
Transcript Title: Current Problems in Soc 03
Calendar Title: Current Problems in Sociology 03.
Description:
Intended for students who are adequately prepared to undertake advanced work and have an explicit proposal to submit.
Notes:
Prerequisite: permission of instructor.
Restriction: Open to U2 and U3 students only
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 442
Credit Weight: 3
Transcript Title: Indep Reading&Research 01
Calendar Title: Independent Reading and Research 01.
Description:
Intended for students who are adequately prepared to undertake advanced work and have an explicit proposal to submit.
Notes:
Prerequisite: permission of instructor.
Restriction: Open to U2 and U3 students only
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Sociology
**Status (catalog level):** Active

**SOCI 443**
**Credit Weight:** 3
**Transcript Title:** Indep Reading&Research 02
**Calendar Title:** Independent Reading and Research 02.
**Description:**
Intended for students who are adequately prepared to undertake advanced work and have an explicit proposal to submit.
**Notes:**
Prerequisite: permission of instructor.
Restriction: Open to U2 and U3 students only
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Sociology
**Status (catalog level):** Active

**SOCI 445**
**Credit Weight:** 3
**Transcript Title:** Readings:Sociological Theory
**Calendar Title:** Readings: Sociological Theory.
**Description:**
Specialist examination of key issues in sociological theory, either through treatment in depth of a single theorist or through concentration on analytic issues that form the centre of continuing debates in the philosophy of social science.
**Notes:**
Prerequisite: SOCI 330 or permission of instructor
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Sociology
**Status (catalog level):** Active

**SOCI 446**
**Credit Weight:** 3
**Transcript Title:** Colonialism and Society
**Calendar Title:** Colonialism and Society.
**Description:**
Forms that colonialism took, its impact on colonial societies, and its modern legacies, focusing on overseas colonialism between 1600 and the 1970s.
**Notes:**
Prerequisite: SOCI 210 or permission from instructor
**Administering Faculty:** Faculty of Arts
**Teaching Department:** Sociology
**Status (catalog level):** Active

**SOCI 455**
**Credit Weight:** 3
**Transcript Title:** Post-Socialist Societies
**Calendar Title:** Post-Socialist Societies.
**Description:**
The demise of Communist Party rule between 1989 - 1991 throughout Eastern Europe and the Soviet Union. The societal implications (e.g. class formation, gender relations, nationalism, corruption, religious freedom) of these dramatic economic and political changes.
Notes:
Prerequisite: SOCI 210.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 461
Credit Weight: 3
Transcript Title: Quantitative Data Analysis
Calendar Title: Quantitative Data Analysis.
Description:
This course blends theory and applications in regression analysis. It focuses on fitting a straight line regression using matrix algebra, extending models for multivariate analysis and discusses problems in the use of regression analysis, providing criteria for model building and selection, and using statistical software to apply statistics efficiently.

Notes:
Prerequisite: SOCI 350
You may not be able to get credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 470
Credit Weight: 3
Transcript Title: Topics in Econ Sociology
Calendar Title: Topics in Economic Sociology.
Description:
Topics in economic sociology. Topics vary by year.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 475
Credit Weight: 3
Transcript Title: Cnd Ethnic Studies Seminar
Calendar Title: Canadian Ethnic Studies Seminar.
Description:
An interdisciplinary seminar focusing on current social sciences research and public policies in areas relating to Canadian ethnic studies. Topics will include ethnic and racial inequalities, prejudice and discrimination, ethnic identities and cultural expressions, the structure and organization of minority groups.

Notes:
Restrictions: Open to students following the Minor Concentration in Canadian Ethnic Studies; or to students with at least nine credits, three at the 300 level, in the social sciences; or with permission of instructor. Not open to students who took CANS 404 in 2007-08.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 477
Credit Weight: 3
Transcript Title: Qualitative Methods in Sociol
Calendar Title: Qualitative Methods in Sociology.
Description:
Introduction to qualitative research methods. Students will be exposed to various types of data collection (e.g., textual, observational) and data analysis techniques (e.g., in vivo coding) for qualitative data in an experiential, hands-on fashion.
Notes:
Prerequisite: SOCI 211
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 480
Credit Weight: 3
Transcript Title: Honours Project
Calendar Title: Honours Project.
Description:
The Honours Project, normally in the form of a paper, provides every Honours student with the opportunity to work independently on a topic of special interest. The student works out the topic for the Honours Project through discussions with appropriate potential supervisors (aided by the Honours Adviser when necessary).
Notes:
Restriction: For Sociology U3 Honours and Joint Honours students only
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 484
Credit Weight: 3
Transcript Title: Emerging Democratic States
Calendar Title: Emerging Democratic States.
Description:
Focus on the sociological aspects of recent transitions to democracy within developing countries - particularly within Sub-Saharan Africa and Latin America. Exploration of why democratization has taken place, to what extent it has been successful and the implications of democratization.
Notes:
Prerequisite: SOCI 210
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 488
Credit Weight: 3
Transcript Title: Punishment and Prisons
Calendar Title: Punishment and Prisons.
Description:
An overview of research on prison "communities" and prison riots. An assessment of incapacitation, deterrence and labelling effects of incarceration. A conceptual framework for analyzing variations (across societies) and changes (over time) in the overall aggregate rates of punishment that social systems impose on their offender populations.
Notes:
Prerequisite: SOCI 210
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 489
Credit Weight: 3
Transcript Title: Gender, Deviance & Social Control
Calendar Title: Gender, Deviance and Social Control.
Description:
This seminar examines how the definition of deviance, reactions to deviance and explanations of deviance are gendered. Specific topics vary from year to year.
Notes:
Course for Women's Studies Concentrations
Prerequisite: Permission of instructor
Restriction: open to U3 students concentrating on social problems.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 495
Credit Weight: 3
Transcript Title: Social Problems and Conflicts
Calendar Title: Social Problems and Conflicts.
Description:
This course explores the social construction of "social problems". It focuses on the social conflicts involved in the definition of social issues and on how and why "problems" change over time. Issues such as drinking, smoking, drug use, pornography, abortion, and homosexuality will be discussed.
Notes:
Prerequisite: permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 499
Credit Weight: 3
Transcript Title: Internship: Sociology
Calendar Title: Internship: Sociology.
Description:
Internship with an approved host institution or organization.
Notes:
Restriction: Open to U2 and U3 students with a minimum CGPA of 2.7, and permission of the departmental Internship Advisor. This course will normally not fulfill program requirements for seminar or 400-level courses. A letter from a supervisor at the institution must attest to successful completion of the student's tenure.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 501
Credit Weight: 3
Transcript Title: Capitalism, Socialism & Democracy
Calendar Title: Capitalism, Socialism, and Democracy.
Description:
This course traces the historical development of the conflict between labor, capital, and the state over the meaning and content of democracy, and how that conflict has shaped politics, economics, and ideology over time. Through a
combination of theoretical analysis of core concepts and empirical case studies, students will gain a sociological understanding of the complex forces that have shaped our modern world. Includes analysis of nation-state formation, class formation and class conflict, welfare state emergence and development, and labour unions and labour policy.

Notes:
Prerequisite(s): SOCI 210 and SOCI 211, or permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 502
Credit Weight: 3
Transcript Title: Sociology of Fertility
Calendar Title: Sociology of Fertility.
Description:
An upper-level course that will cover the major theories and findings from the social scientific study of fertility behavior. Readings and discussion will focus on the causal linkages between social change and transitions in fertility behavior. We will examine contemporary and historical fertility behavior and transitions across the globe.

Notes:
Restriction(s): Open to graduate students and final year undergraduates
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 503
Credit Weight: 3
Transcript Title: Surveillance in Modern Society
Calendar Title: Surveillance in Modern Society.
Description:
This course traces the historical evolution, contemporary tactics, objectives, and social effects of government surveillance and examines how people perceive and respond to surveillance in a post-9/11 world. Through this empirically grounded study, the course takes on a broader sociological question, asking how new surveillance technologies have influenced the relationship between states and citizens.

Notes:
Prerequisite(s): Permission of instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology

Status (catalog level): Active

SOCI 504
Credit Weight: 3
Transcript Title: Quantitative Methods 1
Calendar Title: Quantitative Methods 1.
Description:
An introduction to basic regression techniques commonly used in the social sciences. Covers the least squares linear regression model in depth and may introduce models for discrete dependent variables as well as the maximum-likelihood approach to statistical inference. Emphasis on the assumptions behind regression models and correct interpretation of results. Assignments will emphasize practical aspects of quantitative analysis.

Notes:
Prerequisites: SOCI 350 and SOCI 461 or equivalents
Administering Faculty: Faculty of Arts  
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 506  
Credit Weight: 3  
Transcript Title: Quantitative Methods 3  
Calendar Title: Quantitative Methods 3.  
Description: Advanced statistical analyses focusing on advanced methods such as event history analysis and analysis of contingency tables.  
Notes: Prerequisite: SOCI 504 or equivalent or permission of instructor.

SOCI 507  
Credit Weight: 3  
Transcript Title: Social Change  
Calendar Title: Social Change.  
Description: An examination of the major sociological theories of long term macro social change. Topics include why industrialization began in Europe instead of Asia, the divergence among societies in systems of class, gender, ethnic and racial inequality, and whether industrial society has entered a new post-industrial or post-modern phase.  
Notes: Restrictions: Not open to students who have taken SOCI 672. Undergraduates by permission of instructor only.

SOCI 508  
Credit Weight: 3  
Transcript Title: Med Socio & Social Psychiatry  
Calendar Title: Medical Sociology and Social Psychiatry.  
Description: The social construction of mental illness and disease, the personal and professional definition and recognition of illness, the distribution and determinants of illness, disease, sickness in the population, and the politics of medical research.  
Notes: Prerequisite: SOCI 309 or SOCI 310 or Permission of the Instructor.  
Note: Open to Social Studies of Medicine students.

SOCI 510  
Credit Weight: 3  
Transcript Title: Sem in Social Stratification  
Calendar Title: Seminar in Social Stratification.  
Description: Recent theoretical and empirical developments in social stratification and
inequality. The study of social class, with attention to the anomalous findings on heterogeneity in labour markets and the labour process, status attainment processes, and the socio-political and industrial attitudes of the working class. Students will prepare quantitative analysis of Canadian survey material as well as critical qualitative reviews.

Notes:
Prerequisites: SOCI 333 and SOCI 350 or equivalents

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 512
Credit Weight: 3
Transcript Title: Ethnicity & Public Policy
Calendar Title: Ethnicity and Public Policy.
Description:
Major themes in the theoretical literature on ethnicity. Public policies with direct and indirect implications for inter-ethnic relations will be studied. Policies affecting areas such as language, education, immigration, employment and promotion, multiculturalism and welfare. Examples drawn from several multi-ethnic societies. Political, constitutional, and economic problems associated with these policy initiatives.
Notes:
Prerequisite: SOCI 230 or permission from the instructor.
Restriction: Not open to students who have taken SOCI 629.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 513
Credit Weight: 3
Transcript Title: Soc Aspects HIV/AIDS in Africa
Calendar Title: Social Aspects HIV/AIDS in Africa.
Description:
Examination of the social causes and consequences of HIV/AIDS in Africa. Gender inequality, sexual behaviours, marriage systems, migration, and poverty are shaping the pandemic as well as how the pandemic is altering social, demographic and economic conditions across Africa.
Notes:
Prerequisites: SOCI 225 or SOCI 309 or Permission of Instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 514
Credit Weight: 3
Transcript Title: Criminology
Calendar Title: Criminology.
Description:
A survey of the major schools of thought that have developed to explain criminal behaviour from the emergence of modern criminology in the 18th and 19th centuries to current debates.
Notes:
Prerequisite: Permission of Instructor.
Note: Grad students and U3 students only.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 515
Credit Weight: 3
Transcript Title: Medicine and Society
Calendar Title: Medicine and Society.
Description:
The sociology of health and illness. Reading in areas of interest, such as: the sociology of illness, health services occupations, organizational settings of health care, the politics of change in national health service systems, and contemporary ethical issues in medical care and research.
Notes:
Prerequisite: Undergraduate students require permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 519
Credit Weight: 3
Transcript Title: Gender and Globalization
Calendar Title: Gender and Globalization.
Description:
Focus on the diverse forces of globalization that impact the lives of men and women. Critical analysis of key theories and concepts implicated in the intersection of globalization processes with gender dynamisms.
Notes:
Prerequisite: SOCI 270 or permission of instructor.
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 520
Credit Weight: 3
Transcript Title: Migration and Immigrant Groups
Calendar Title: Migration and Immigrant Groups.
Description:
Review of the major demographic, economic and sociological theories of internal and international migration. The main emphasis will be on empirical research on migration and immigrant groups.
Notes:
Prerequisite: 15 credits in the Social Sciences
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 525
Credit Weight: 3
Transcript Title: Health Care Systems in Comparative Perspective.
Calendar Title: Health Care Systems in Comparative Perspective.
Description:
Comparative perspective to illustrate processes involved in the development and evolution of health care systems around the world. Countries examined will represent different welfare state regimes, health care system typologies, levels of development and wealth.
Notes:
Prerequisite: Permission of instructor.
Restriction(s): Not open to students who have taken EPIB 525. Not open to students who are taking or have taken PPHS 525.

Note: This course is cross-listed in Epidemiology, Biostatistics and Occupational Health and in Sociology.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 526
Credit Weight: 3
Transcript Title: IndigenousWomen'sHealth&Healthcare
Calendar Title: Indigenous Women's Health and Healthcare
Description: This course examines (i) the health status of Indigenous women in Canada, (ii) Indigenous ways of knowing about health, (iii) healthcare services, delivery, and access for Indigenous women in rural and remote areas as well as in urban centres, (iv) and participatory health research with Indigenous communities.

Notes: Restrictions: Undergraduate students must obtain permission of instructor to enroll in the course.

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 529
Credit Weight: 3
Transcript Title: Political Sociology 1
Calendar Title: Political Sociology 1
Description: Key theories and empirical areas of political sociology. Major works relevant to each theme will be read and analyzed. Topics include: political socialization, the social psychology of political behaviour, class and politics, political organizations, elite studies. A research paper in one of the areas covered will be required.

Notes: Prerequisite: SOCI 330

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 530
Credit Weight: 3
Transcript Title: Sex and Gender
Calendar Title: Sex and Gender
Description: This seminar critically reviews theoretical perspectives and research on sex and gender in various domains of social life. It gives special emphasis to work which considers the meaning of gender and how it differs across time and place.

Notes: Restriction: Open to Honours Sociology students and to Sociology Majors with the permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 535
Credit Weight: 3
Transcript Title: Sociology of the Family
Calendar Title: Sociology of the Family.
Description:
This seminar reviews literature on major research areas in family. The course examines families in the past, the study of family using a life course approach, and considers selective areas which may have had significant influences on contemporary family such as work and family, family violence, and cultural variation in families.
Notes:
Undergraduate students require permission of instructor
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 538
Credit Weight: 3
Transcript Title: Sel Top in Soc of Biomed Know
Calendar Title: Selected Topics in Sociology of Biomedical Knowledge.
Description:
The seminar will examine recent work in the sociology of biomedical knowledge. It will focus on the technological shaping of biomedical knowledge, i.e., on the impact of new technologies and equipments on the development of biomedical knowledge.
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 540
Credit Weight: 3
Transcript Title: Comparative Ethnicity and Race
Calendar Title: Comparative Ethnicity and Race.
Description:
Introduction to the sociological study of ethnicity and `race¿. Exploration of the range of meanings and the contours of theoretical debates across a range of places in order to put in perspective the North-American experience.
Notes:
Restriction: Open to graduate students. Undergraduate students admitted with permission of instructor.
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 545
Credit Weight: 3
Transcript Title: Sociology of Population
Calendar Title: Sociology of Population.
Description:
The classic literature of sociology of population. Drawing reciprocal linkages between social and population processes: Historical, family and labour force demography, demographic and fertility transitions, mortality, ethnic and race relations, gender, macro-structural interaction theory, and the relation of population and the environment.
Notes:
Prerequisite: SOCI 234 or equivalent
Administrating Faculty: Faculty of Arts
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 550  
Credit Weight: 3  
Transcript Title: Developing Societies  
Calendar Title: Developing Societies.  
Description:  
Comparison of alternative explanations of underdevelopment: the impact of social stratification, relations of domination and subordination between countries, state interference with the market. Alternative strategies of change: revolution, structural adjustment, community development and cooperatives. Students will write and present a research paper, and participate extensively in class discussion.  
Administering Faculty: Faculty of Arts  
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 555  
Credit Weight: 3  
Transcript Title: Comparative Historical Socio  
Calendar Title: Comparative Historical Sociology.  
Description:  
The analysis of patterns of state and nation-building in historical and comparative perspectives with particular attention being given to methodology.  
Notes:  
Restriction: Undergraduate students require permission of instructor  
Administering Faculty: Faculty of Arts  
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 560  
Credit Weight: 3  
Transcript Title: Labour and Globalization  
Calendar Title: Labour and Globalization.  
Description:  
The relationship between labour and globalization, focusing on globalization of production, working conditions, national labour responses, and the emergence of transnational campaigns for labour rights and new forms of private regulation.  
Notes:  
Prerequisite: SOCI 307 or Permission of Instructor  
Administering Faculty: Faculty of Arts  
Teaching Department: Sociology  
Status (catalog level): Active

SOCI 571  
Credit Weight: 3  
Transcript Title: Deviance and Social Control  
Calendar Title: Deviance and Social Control.  
Description:  
This seminar focuses on how social groups enforce rules (and maintain social order) through coercion and socialization. It reviews current research and critiques key theoretical approaches to social control. Included are discussions of regulating institutions such as prisons and mental asylums, and the roles of gossip, manners and etiquettes.  
Administering Faculty: Faculty of Arts  
Teaching Department: Sociology
Status (catalog level): Active

SOCI 580
Credit Weight: 3
Transcript Title: Social Res Design&Practice
Calendar Title: Social Research Design and Practice.
Description: Asking researchable sociological questions and evaluation of different research designs used to answer such questions. Development of cogent research proposals, including data collection procedures. Principles, dynamics, strengths and practical limitations of research designs. Examples from recent publications.
Notes:
Restriction: Open to U3 and graduate students
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 588
Credit Weight: 3
Transcript Title: Biosociology/Biodemography
Calendar Title: Biosociology/Biodemography.
Description: This course will explore linkages between social and biological systems, their influence on health and well-being over the life course, and on health disparities. Topics include classical sociological approaches to biosocial processes, sociobiology (reductionist, but population-based), and newer demographic studies on gen-environment, epigenetic, and stress-metabolic/allostatic processes.
Notes:
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 590
Credit Weight: 3
Transcript Title: Social Conflict and Violence
Calendar Title: Social Conflict and Violence.
Description: This course examines recent theory and research on the comparative study of social conflict and political violence. Topics covered include the causes and consequences of international wars, state repression, civil violence, guerrilla warfare, and terrorism.
Notes:
Prerequisite: SOCI 210
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 595
Credit Weight: 3
Transcript Title: Immigration Control &The State
Calendar Title: Immigration Control and The State.
Description: This course examines state efforts to control immigration. Topics include: 1) the role of state institutions in creating and managing migration and residency; 2) migration governance at the international, national, regional and local levels; 3)
the social construction of admissibility/inadmissibility in immigration policy in historical perspective; 4) immigration bureaucracies, policymaking and policy implementation; 5) the privatization of control; 6) the emergence and effects of state categorizations in immigration policies, statistics and administrative data; 7) control through legal status and its absence (precariousness and illegality).

Notes:
Prerequisite(s): By permission of instructor
Administering Faculty: Faculty of Arts
Teaching Department: Sociology
Status (catalog level): Active

SOCI 600
Credit Weight: 3
Transcript Title: Qualitative Research Methods 1
Calendar Title: Qualitative Research Methods 1.
Description:
Overview of qualitative research design and modes of data collection, particularly observation, interviewing and focus groups. Students are required to design and undertake their own qualitative research project. Introduction to computerized tools for qualitative data management, transcription and analysis.
Notes:
Restrictions: Permission of instructor. Not open to students who have taken SOCI 540.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 601
Credit Weight: 3
Transcript Title: Qualitative Research Methods 2
Calendar Title: Qualitative Research Methods 2.
Description:
Qualitative data interpretation and analysis. Coding, identifying themes and memo-writing. Students conclude their qualitative research project, writing up findings in the form of a publishable-quality paper.
Notes:
Seminar will be offered once a week, during the Fall term, for a duration of two hours (1x2).
Prerequisite: SOCI 600
Restrictions: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 602
Credit Weight: 3
Transcript Title: Comparative-Historical Methods
Calendar Title: Comparative-Historical Methods.
Description:
This course reviews the diverse methods of comparative-historical sociology and prepares students to employ these methods for their research.
Notes:
Restriction(s): Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active
SOCI 603
Credit Weight: 3
Transcript Title: Bibliographic Methods 1
Calendar Title: Bibliographic Methods 1.
Description: Research-related skills for the production of a research bibliography under the supervision of a faculty member.
Notes: Corequisite: SOCI 604.
Restriction: Restricted to Sociology M.A. students.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 604
Credit Weight: 3
Transcript Title: Bibliographic Methods 2
Calendar Title: Bibliographic Methods 2.
Description: Advanced research-related skills for the production of a research bibliography under the supervision of a faculty member.
Notes: Corequisite: SOCI 603.
Restriction: Restricted to Sociology M.A. students.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 620
Credit Weight: 3
Transcript Title: Quantitative Methods 2
Calendar Title: Quantitative Methods 2.
Description: This course provides an introduction to generalized linear models for analyzing categorical and correlated data. The main topics include: (1) logistic/probit models (including multinomial logit, logit models for ordinal data) and (2) Extensions to multilevel and panel data analysis. The exposition covers model specification, estimation, hypothesis testing, remedies for violations of statistical assumptions, and interpretation of the results. The emphasis is on applications of these models in social science research, and research articles in sociology are used to illustrate the application of these models and techniques.
Notes: Prerequisite: SOCI 504 or equivalent
Restriction(s): Premission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 621
Credit Weight: 3
Transcript Title: Fixed and Random Effects
Calendar Title: Fixed and Random Effects.
Description: Fixed and random effect regression. Emphasis on longitudinal panel data and hierarchical data.
Notes:
Prerequisites: SOCI 504 or equivalent
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 622
Credit Weight: 3
Transcript Title: Event History Analysis
Calendar Title: Event History Analysis.
Description:
Applied introduction to event history analysis, a set of statistical methods used to analyze changes from one state to another (i.e. transitions) and the effects of independent variables on the timing and likelihood of these transitions.
Notes:
Prerequisites: SOCI 504 or equivalent
Restrictions: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 623
Credit Weight: 3
Transcript Title: Latent Variable Models
Calendar Title: Latent Variable Models.
Description:
Latent variable models attempt to explain complex relations between manifest/observed variables by simple relations between these variables and an underlying unobservable or "latent" structure. Topics include both cross-sectional (Latent Class, factor analysis) and longitudinal (Latent Transition/Hidden Markov, Latent Class Growth Analysis, Growth Mixture Models) versions.
Notes:
Prerequisites: SOCI 504 or equivalent
Restrictions: Permission of instructor.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 624
Credit Weight: 3
Transcript Title: Social Networks
Calendar Title: Social Networks.
Description:
Social networks from various standpoints, including classical theory, formal models, methods for empirical analysis, and substantive applications.
Notes:
Prerequisites: SOCI 652 or Permission of Instructor
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 625D1
Credit Weight: 0
Transcript Title: Prof Dev Seminar in Sociology
Calendar Title: Professional Development Seminar in Sociology.
Description:
Professional development of incoming graduate students in sociology.

**Notes:**
Course will be offered every other week, during the Fall and Winter terms, for a duration of one hour.

Restrictions: Open to incoming graduate students in the Department of Sociology. Students must register at the same time for SOCI 625 D1 and SOCI 625D2.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Sociology

**Status (catalog level):** Active

SOCI 625D2

**Credit Weight:** 0

**Transcript Title:** Prof Dev Seminar in Sociology

**Calendar Title:** Professional Development Seminar in Sociology.

**Description:** Professional development of incoming graduate students in sociology.

**Notes:**
Course will be offered every other week, during the Fall and Winter terms, for a duration of one hour.

Restrictions: Open to incoming graduate students in the Department of Sociology.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Sociology

**Status (catalog level):** Active

SOCI 626

**Credit Weight:** 3

**Transcript Title:** Demographic Methods

**Calendar Title:** Demographic Methods.

**Description:** Introduction to demographic measurement and modeling. Course covers direct and indirect estimation, standardization, life table construction, and population projections.

**Notes:**
Specific topics may vary from semester to semester.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Sociology

**Status (catalog level):** Active

SOCI 631D1

**Credit Weight:** 3

**Transcript Title:** Informing Soc Pol w/ Can Data

**Calendar Title:** Informing Social Policy with Canadian Data.

**Description:** Tools needed to work with complex Canadian surveys in order to address social issues. Theoretical sessions given by experts from the academic community and statistical agencies are combined with laboratory workshops where students apply advanced statistical methods to survey data and complete their own research projects.

**Notes:**
Prerequisites: Advanced undergraduate course in statistics (SOCI 461 or equivalent); passive bilinguism (French and English); and permission of the instructor.

Passive bilingualism (English and French) required, as training will be given in both languages. Maximum enrollment: 12. With permission of the instructor. The course is offered over 2 semesters, and meets 6 hours every 2 weeks. Students must register for both SOCI 631D1 and SOCI 631D2.
No credit will be given for this course unless both SOCI 631D1 and SOCI 631D2 are successfully completed in consecutive terms

**Administering Faculty**: Graduate Studies
**Teaching Department**: Sociology
**Status (catalog level)**: Active

**SOCI 631D2**
- **Credit Weight**: 3
- **Transcript Title**: Informing Soc Pol w/ Can Data
- **Calendar Title**: Informing Social Policy with Canadian Data.
- **Description**: Tools needed to work with complex Canadian surveys in order to address social issues. Theoretical sessions given by experts from the academic community and statistical agencies are combined with laboratory workshops where students apply advanced statistical methods to survey data and complete their own research projects.
- **Notes**: Prerequisite: SOCI 631D1

No credit will be given for this course unless both SOCI 631D1 and SOCI 631D2 are successfully completed in consecutive terms

**Administering Faculty**: Graduate Studies
**Teaching Department**: Sociology
**Status (catalog level)**: Active

**SOCI 652**
- **Credit Weight**: 3
- **Transcript Title**: Current Sociological Theory
- **Calendar Title**: Current Sociological Theory.
- **Description**: Examination of works in some major areas of Sociology with a focus on: antecedent thought and research in the area; the internal structure and consistency of these works; the validity of the major claims made; and the implications for future theoretical development and research.
- **Notes**: Prerequisite: SOCI 330

**Administering Faculty**: Graduate Studies
**Teaching Department**: Sociology
**Status (catalog level)**: Active

**SOCI 690**
- **Credit Weight**: 3
- **Transcript Title**: M.A. Thesis 1
- **Calendar Title**: M.A. Thesis 1.
- **Description**: Exploratory thesis research for the selection of a thesis topic.
- **Notes**: Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.

**Administering Faculty**: Graduate Studies
**Teaching Department**: Sociology
**Status (catalog level)**: Active

**SOCI 691**
- **Credit Weight**: 6
- **Transcript Title**: M.A. Thesis 2
- **Calendar Title**: M.A. Thesis 2.
Description:
Preparation, submission and approval of the thesis proposal by the student to his/her committee.

Notes:
Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 692
Credit Weight: 3
Transcript Title: M.A. Thesis 3
Calendar Title: M.A. Thesis 3.
Description:
Fieldwork and data analysis on the thesis. Progress report to the supervisor.
Notes:
Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 693
Credit Weight: 3
Transcript Title: M.A. Thesis 4
Calendar Title: M.A. Thesis 4.
Description:
Fieldwork and data analysis on the thesis. Progress report to the supervisor.
Notes:
Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 694
Credit Weight: 18
Transcript Title: M.A. Thesis 5
Calendar Title: M.A. Thesis 5.
Description:
Completion, submission, and approval of the M.A. Thesis by the committee and the Graduate and Postdoctoral Studies Office.
Notes:
Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 695
Credit Weight: 15
Transcript Title: M.A. Thesis 6
Calendar Title: M.A. Thesis 6.
Description:
Completion, submission, and approval of the M.A. Thesis by the committee and the
Graduate and Postdoctoral Studies Office.

Notes:
Restriction: Open only to graduate students registered in the Medical Sociology thesis program.

Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 696
Credit Weight: 3
Transcript Title: Research Paper 1
Calendar Title: Research Paper 1.
Description:
Exploratory research for the selection of a research topic.

Notes:
Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.

Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 697
Credit Weight: 3
Transcript Title: Research Paper 2
Calendar Title: Research Paper 2.
Description:
Preparation, submission and approval of the proposal by the student to his/her supervisor.

Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 698
Credit Weight: 6
Transcript Title: Research Paper 3
Calendar Title: Research Paper 3.
Description:
Fieldwork and data analysis on the research.

Notes:
Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.

Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 699
Credit Weight: 12
Transcript Title: Research Paper 4
Calendar Title: Research Paper 4.
Description:
Completion, submission and approval of the research paper by the committee.

Notes:

Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 700
Credit Weight: 0
Transcript Title: Ph.D. Area Examination 1
Calendar Title: Ph.D. Area Examination 1.
Description:
The examination assesses the student's breadth of knowledge in one substantive area. This is the first of two required comprehensive examinations for the Ph.D. Program.
Notes:
Restriction: Only open to Ph.D. students in the Sociology Department
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 701
Credit Weight: 0
Transcript Title: Ph.D. Area Examination 2
Calendar Title: Ph.D. Area Examination 2.
Description:
The examination assesses the student's breadth of knowledge in one substantive area. This is the second of two required comprehensive examinations for the Ph.D. Program.
Notes:
Restriction: Only open to Ph.D. students in the Sociology Department
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 702
Credit Weight: 0
Transcript Title: Ph.D. Proposal Approval
Calendar Title: Ph.D. Proposal Approval.
Description:
Presentation and acceptance of the Ph.D. Proposal Defense by the student to the Department Proposal Committee.
Notes:
Restriction: Only open to Ph.D. students in the Sociology Department
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 703
Credit Weight: 0
Transcript Title: Bibliographic Methods 3
Calendar Title: Bibliographic Methods 3.
Description:
Further development of research-related skills and the production of a research bibliography under the supervision of a faculty member.
Notes:
Restriction: Restricted to Sociology Ph.D. students.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 704
Credit Weight: 0
Transcript Title: Bibliographic Methods 4
Calendar Title: Bibliographic Methods 4.
Description:
Further development of research-related skills and the production of a research bibliography under the supervision of a faculty member.
Notes:
Restriction: Restricted to Sociology Ph.D. students.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 705
Credit Weight: 0
Transcript Title: PhD Comprehensive Examination
Calendar Title: PhD Comprehensive Examination.
Description:
The Comprehensive Examination in Sociology provides an opportunity for students to read broadly in two sub-fields within the discipline, after which they take a written examination that assesses their competence in each sub-field. Students are required to be examined in two of the ten areas of specialization identified by the Department. The comprehensive examination must be successfully passed by all doctoral candidates in order to continue in the doctoral program.
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 720
Credit Weight: 3
Transcript Title: Reading in Social Theory
Calendar Title: Reading in Social Theory.
Description:
Supervised readings in social theory supervised by a member of staff. Topics will be chosen to suit individual interests.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active

SOCI 730
Credit Weight: 3
Transcript Title: Reading and Research
Calendar Title: Reading and Research.
Description:
Supervised readings and research supervised by a member of staff. Topics will be chosen to suit individual interests.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Sociology
Status (catalog level): Active
SOIL 300
Credit Weight: 3
Transcript Title: Geosystems
Calendar Title: Geosystems.
Description:
Interactions between Earth's various geologic systems and how these interactions lead to mineral and rock formation. Geomorphic processes and how various landforms are created by the interactions at the Earth's surface between the various geologic systems.
Notes:
Winter
Restrictions: Not open to students who have taken SOIL 200. Restricted to U2 students and above.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

SOIL 315
Credit Weight: 3
Transcript Title: Soil Nutrient Management
Calendar Title: Soil Nutrient Management.
Description:
Plant nutrients in the soil, influence of soil properties on nutrient absorption and plant growth, use of organic and inorganic fertilizers.
Notes:
Fall
3 lectures and one lab
Prerequisite(s): ENVB 210 or GEOG 305 or SOIL 326 or permission of instructor
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

SOIL 326
Credit Weight: 3
Transcript Title: Soils in a Changing Environ
Calendar Title: Soils in a Changing Environment.
Description:
Soil processes responsible for soil formation will be studied and the impact of changes to the physical and chemical environment will be discussed.
Symbols: ALTY - Taught in alternate years
Notes:
Fall
3 lectures and one 3-hour lab
Prerequisite: A previous course in soil science, geography, geology or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

SOIL 331
Credit Weight: 3
Transcript Title: Environmental Soil Physics
Calendar Title: Environmental Soil Physics.
Description:
This course addresses physical properties and processes in soil, state and transport of matter and energy affecting environment and agriculture (State: soil texture, structure, temperature, water; Transport: water flow, chemical transport,
heat and gas flow), mass and energy balance in soil, effect of various environmental events on soil physical properties, management of physical properties and processes for various practical agricultural, hydrological and environmental applications including land reclamation.

Symbols: ALTY - Taught in alternate years

Notes: Winter

3 lectures and one 3-hour lab

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

SOIL 510
Credit Weight: 3
Transcript Title: Environmental Soil Chemistry
Calendar Title: Environmental Soil Chemistry.
Description: Soil chemical principles are presented in a series of problem sets covering basic concepts as well as applications to environmental and agricultural situations.
Symbols: ALTY - Taught in alternate years
Notes: Winter
Prerequisite: A course in Soil Science or permission of instructor
Restriction: Not open to students who have taken SOIL 410.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

SOIL 535
Credit Weight: 3
Transcript Title: Soil Ecology
Calendar Title: Soil Ecology.
Description: Exploration of the unique soil habitat for organisms with a focus on the variables that affect the abundance, diversity and interactions of soil biota and, in turn, their influence on soil physicochemical properties, biogeochemical cycles and other factors impacting ecosystem sustainability. Topics include survey of soil fauna, soil food webs, microbial ecology, biological carbon and nitrogen cycling, plant-soil interactions, and the effects of human activities and management on soil ecology, including synthesizing concepts and a critical analysis and interpretation of primary scientific literature in soil ecology.
Notes: Prerequisite(s): ENVB 210 or GEOG 305 or SOIL 326 or permission of instructor.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

SOIL 602
Credit Weight: 3
Transcript Title: Advanced Soil Ecology 1
Calendar Title: Advanced Soil Ecology 1.
Description: Discussion of significant research in soil ecology including transformations of soil organic matter and nutrients, ecological and pedological functions of soil organisms, soil food webs, plant-soil biota interactions, and analytical techniques for monitoring soil organisms.

Administering Faculty: Graduate Studies
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
SURG 301
Credit Weight: 4
Transcript Title: TCP Surgery
Calendar Title: TCP Surgery.
Description:
During this four-week course, students will build on history-taking and physical examination skills, develop diagnostic and clinical reasoning skills, and expand their knowledge of surgery-related problems. The student will also learn the pathophysiology of surgical conditions and practice procedural skills relevant to the practice of surgery.
Notes:
Restriction(s): Open only to students in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active

SURG 402
Credit Weight: 8
Transcript Title: Surgery Clerkship
Calendar Title: Surgery Clerkship.
Description:
During this course, students will participate in the care of surgical patients under the supervision of residents and attending staff. Students are expected to perform and document patient interviews and physical examinations, prioritize differential diagnosis for common and urgent problems seen in surgery, and practice developing management plans for common surgical problems. Students will participate in activities of the surgical outpatient and inpatient services.
Notes:
Registration(s): Open only to students enrolled in the M.D., C.M. program.
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active

SURG 402D1
Credit Weight: 4
Transcript Title: Surgery Clerkship
Calendar Title: Surgery Clerkship.
Description:
During this course, students will participate in the care of surgical patients under the supervision of residents and attending staff. Students are expected to perform and document patient interviews and physical examinations, prioritize differential diagnosis for common and urgent problems seen in surgery, and practice developing management plans for common surgical problems. Students will participate in activities of the surgical outpatient and inpatient services.
Notes:
Registration(s): Open only to students enrolled in the M.D., C.M. program.
Students must register for both SURG 402D1 and SURG 402D2
No credit will be given for this course unless both SURG 402D1 and SURG 402D2 are successfully completed in consecutive terms
SURG 402D1 and SURG 402D2 together are equivalent to SURG 402
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active

SURG 402D2
Credit Weight: 4
Transcript Title: Surgery Clerkship

SURG 402D2
Calendar Title: Surgery Clerkship.
Description:
For course description see SURG 402D1.
Notes:
Prerequisite: SURG 402D1
No credit will be given for this course unless both SURG 402D1 and SURG 402D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active

SURG 403
Credit Weight: 4
Transcript Title: SurgSub-Special Sr Clerkships
Calendar Title: Surgery Sub-Specialty - Senior Clerkships.
Description:
Principles of a surgery sub-specialty.
Notes:
Prerequisite: SURG 401.
Restriction: Good standing in M.D.,C.M. Program.
Administrating Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Surgery
Status (catalog level): Active
SWRK 219
Credit Weight: 3
Transcript Title: Anti-Oppression SW Practice
Calendar Title: Anti-Oppression Social Work Practice.
Description:
Social work policy and practice, including an examination of discrimination and oppressions, identity and social location, reflexivity, intersectionality, contemporary anti-oppression movements, access and equity in human services and their implications.
Notes:
Restrictions: Only open to BSW U1 students. Not open to students who have taken SWRK 325.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 220
Credit Weight: 3
Transcript Title: History & Philosophy of SW
Calendar Title: History and Philosophy of Social Work.
Description:
Historical, theoretical and philosophical base of social work which includes the role of social work in the social welfare, modalities of practice, professional codes of ethics, and human rights legislation.
Notes:
Restrictions: Only open to B.S.W. U1 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 221
Credit Weight: 3
Transcript Title: Public Socl Services in Canada
Calendar Title: Public Social Services in Canada.
Description:
Federal and provincial social welfare programs - the intended objectives, program design, issues of eligibility and funding, and comparison with programs in other parts of Europe and North America. Particular emphasis on concepts of social justice and poverty. Programs such as income security, labour market, health, immigration, and social services.
Notes:
Restrictions: Only open to B.S.W. U1 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 222
Credit Weight: 3
Transcript Title: Introduction to Practicum
Calendar Title: Introduction to Practicum.
Description:
Basic social work skills.
Notes:
Restrictions: Only open to B.S.W. U1 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active
SWRK 224
Credit Weight: 3
Transcript Title: Human Dev Across the Lifespan
Calendar Title: Human Development Across the Lifespan.
Description: Physical, cognitive, emotional, behavioural and social development in different stages of the life course with a focus on childhood and adolescence. Human development in different social contexts. Theory and research as it relates to social work practice.
Notes: Restriction: Limited to BSW U1 students
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 319
Credit Weight: 3
Transcript Title: Critical Thought & Ethics in SW
Calendar Title: Critical Thought and Ethics in Social Work.
Description: Use of theory and reflexivity to challenge the various ways knowing and practicing within social work. Critically engage and assess the theoretical basis of social work theories and knowledge acquired over the course of the program. Application of this knowledge to ethical dilemmas that arise in practice.
Notes: Prerequisite: SWRK 219 or SWRK 325
Restriction: Only open to BSW U2 students. Not open to students who have taken SWRK 525.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 320
Credit Weight: 3
Transcript Title: Prac with Individ & Families 1
Calendar Title: Practice with Individuals and Families 1.
Description: Introduction to theories and techniques informing clinical social work practice with individual and family systems in a social context. Sexual orientation, race, class, gender, culture, ability and diverse family forms are integrated. Knowledge and skills required for assessment and treatment across a range of practice settings.
Notes: Restrictions: Only open to B.S.W. U2 students.
Prerequisite: SWRK 224.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 321
Credit Weight: 3
Transcript Title: Intro to Practice with Groups
Calendar Title: Introduction to Practice with Groups.
Description: Introduction to theories and techniques informing social work practice with
groups. Emphasis on understanding group formation, assessment, and models of group intervention across a range of practice settings and with different populations.

Notes:
Restrictions: Only open to B.S.W. U2 students.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 322
Credit Weight: 3
Transcript Title: Field Practice 1
Calendar Title: Field Practice 1.
Description:
Supervised educational experiences in social work practice designed to integrate practice and theory.

Notes:
Restrictions: Only open to B.S.W. students.
To register for this course, students must have completed 15 credits of U1 B.S.W. required courses plus 9 credits derived from any combination of B.S.W. SWRK complementary, non-SWRK complementary, and/or non-SWRK elective courses totaling 24 credits.
Prerequisites: SWRK 219, SWRK 220, SWRK 221, SWRK 222, SWRK 224

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 322D1
Credit Weight: 1.5
Transcript Title: Field Practice 1
Calendar Title: Field Practice 1.
Description:
Supervised educational experiences in social work practice designed to integrate practice and theory.

Notes:
Restrictions: Only open to B.S.W. students.
Students must register for both SWRK 322D1 and SWRK 322D2. No credit will be given for this course unless both SWRK 322D1 and SWRK 322D2 are successfully completed in consecutive terms.
SWRK 322D1 and SWRK 322D2 together are equivalent to SWRK 322.
Prerequisites: SWRK 219, SWRK 220, SWRK 221, SWRK 222, SWRK 224
To register for this course, students must have completed 15 credits of U1 B.S.W. required courses plus 9 credits derived from any combination of B.S.W. SWRK complementary, non-SWRK complementary, and/or non-SWRK elective courses totaling 24 credits.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 322D2
Credit Weight: 1.5
Transcript Title: Field Practice 1
Calendar Title: Field Practice 1.
Description:
Supervised educational experiences in social work practice designed to integrate practice and theory.

Notes:
Prerequisite: SWRK 322D1.
Restrictions: Only open to B.S.W. students.
Students must register for both SWRK 322D1 and SWRK 322D2.
No credit will be given for this course unless both SWRK 322D1 and SWRK 322D2 are successfully completed in consecutive terms.
SWRK 322D1 and SWRK 322D2 together are equivalent to SWRK 322.
Prerequisites: SWRK 219, SWRK 220, SWRK 221, SWRK 222, SWRK 224
To register for this course, students must have completed 15 credits of U1 B.S.W. required courses plus 9 credits derived from any combination of B.S.W. SWRK complementary, non-SWRK complementary, and/or non-SWRK elective courses totaling 24 credits.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 323
Credit Weight: 3
Transcript Title: Field Practice 2
Calendar Title: Field Practice 2.
Description: Supervised educational experiences in social work practice designed to integrate practice with theoretical knowledge.
Notes: Prerequisite: SWRK 322
Restrictions: Only open to B.S.W. students.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 323D1
Credit Weight: 1.5
Transcript Title: Field Practice 2
Calendar Title: Field Practice 2.
Description: Supervised educational experiences in social work practice designed to integrate practice with theoretical knowledge.
Notes: Prerequisite: SWRK 322
Restrictions: Limited to BSW students. Not open to students who have taken SWRK 356.
Students must register for both SWRK 323D1 and SWRK 323D2.
No credit will be given for this course unless both SWRK 323D1 and SWRK 323D2 are successfully completed in consecutive terms.
SWRK 323D1 and SWRK 323D2 together are equivalent to SWRK 323.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 323D2
Credit Weight: 1.5
Transcript Title: Field Practice 2
Calendar Title: Field Practice 2.
Description: Supervised educational experiences in social work practice designed to integrate practice with theoretical knowledge.
Notes: Prerequisite: SWRK 323D1
Restrictions: Limited to BSW students. Not open to students who have taken SWRK 356.
Students must register for both SWRK 323D1 and SWRK 323D2
No credit will be given for this course unless both SWRK 323D1 and SWRK 323D2 are successfully completed in consecutive terms.
SWRK 323D1 and SWRK 323D2 together are equivalent to SWRK 323.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** Social Work
**Status (catalog level):** Active

**SWRK 326**
**Credit Weight:** 3
**Transcript Title:** Pract with Individ & Families 2
**Calendar Title:** Practice with Individuals and Families 2.
**Description:**
Advanced integration of theories and techniques informing clinical social work practice with individual and family systems in a social context. Sexual orientation, race, class, gender, culture, ability and diverse family forms are integrated. Knowledge and skills required for assessment and treatment across a range of practice settings.
**Notes:**
Prerequisite: SWRK 320
Restrictions: Only open to B.S.W. U2 students.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** Social Work
**Status (catalog level):** Active

**SWRK 327**
**Credit Weight:** 3
**Transcript Title:** Approaches to Community Prac
**Calendar Title:** Approaches to Community Practice.
**Description:**
A comparison of approaches to community practice, with a focus on social change. An analysis of community practice assumptions and methods, including views, theories, and ideologies on social justice. Methods to bring change will also be discussed including strategies, tactics, and actions.
**Notes:**
Restrictions: Only open to B.S.W. U2 students.
Prerequisites: SWRK 219

**Administering Faculty:** Faculty of Arts
**Teaching Department:** Social Work
**Status (catalog level):** Active

**SWRK 342**
**Credit Weight:** 3
**Transcript Title:** SW, Gender & Sexual Diversity
**Calendar Title:** Social Work, Gender and Sexual Diversity.
**Description:**
Examination of issues facing Two-Spirit, gay, lesbian, bisexual, trans and intersex people. How social workers can support the development of health and social services informed by principles of social justice and equity. Topics include self-esteem, youth at risk, families, intersectionality, and aging.
**Notes:**
Restrictions: Limited to BSW U2 and BSW U3 students, and U3 non-Social Work students.

**Administering Faculty:** Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

**SWRK 344**
Credit Weight: 3
Transcript Title: Integrative Seminar 1
Calendar Title: Integrative Seminar 1.
Description: Building on SWRK 222 Introduction to Practicum, the purpose of this integrative seminar is to facilitate links between theories, concepts and empirical findings introduced in coursework to observations and knowledge students garner from the field. This process will help students integrate their knowledge from the classroom and their experiences from the field into a useful and meaningful whole. In order to support the integration of theory, research and practice this seminar will also introduce students to principles and practices in field education that support student learning. In this way, students learn how they can maximize their field learning experiences.
Notes: Prerequisite: SWRK 322 Corequisite: SWRK 323, or with permission of the instructor.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** Social Work
Status (catalog level): Active

**SWRK 350**
Credit Weight: 3
Transcript Title: Social Work Skills Laboratory
Calendar Title: Social Work Skills Laboratory.
Description: This course accompanies Introduction to Social Work Practice. It links theories of ecosystems, stress, coping and resilience with practice as students master interviewing, contracting and assessment skills. It develops professional skills of critical thinking, self-reflection, and use of feedback which are applicable to agency-based practices encountered in social work settings.
Notes: Summer Restriction: Limited to "Qualifying Year" MSW candidates only.

**Administering Faculty:** Faculty of Arts
**Teaching Department:** Social Work
Status (catalog level): Active

**SWRK 350D1**
Credit Weight: 1.5
Transcript Title: Social Work Skills Laboratory
Calendar Title: Social Work Skills Laboratory.
Description: This course accompanies Introduction to Social Work Practice. It links theories of ecosystems, stress, coping and resilience with practice as students master interviewing, contracting and assessment skills. It develops professional skills of critical thinking, self-reflection, and use of feedback which are applicable to agency-based practices encountered in social work settings.
Notes: Restriction: Limited to "Qualifying Year" MSW candidates only. Students must register for both SWRK 350D1 and SWRK 350D2. No credit will be given for this course unless both SWRK 350D1 and SWRK 350D2 are successfully completed in consecutive terms.
SWRK 350D1 and SWRK 350D2 together are equivalent to SWRK 350.

Administering Faculty: Faculty of Arts

Teaching Department: Social Work

Status (catalog level): Active

SWRK 350D2

Credit Weight: 1.5

Transcript Title: Social Work Skills Laboratory

Calendar Title: Social Work Skills Laboratory.

Description:
This course accompanies Introduction to Social Work Practice. It links theories of ecosystems, stress, coping and resilience with practice as students master interviewing, contracting and assessment skills. It develops professional skills of critical thinking, self-reflection, and use of feedback which are applicable to agency-based practices encountered in social work settings.

Notes:
Prerequisite: SWRK 350D1.
Restriction: Limited to "Qualifying Year" MSW candidates only.
Students must register for both SWRK 350D1 and SWRK 350D2.
No credit will be given for this course unless both SWRK 350D1 and SWRK 350D2 are successfully completed in consecutive terms.
SWRK 350D1 and SWRK 350D2 together are equivalent to SWRK 350.

Administering Faculty: Faculty of Arts

Teaching Department: Social Work

Status (catalog level): Active

SWRK 353

Credit Weight: 3

Transcript Title: Intro to Mental Health Prac

Calendar Title: Introduction to Mental Health Practice.

Description:
Introduces specialized knowledge and assessment skills in mental health first aid and crisis intervention through the lens of social, cultural, and historical developments. Particular emphasis is placed on the dynamics of institutional responses to mental illness and current conditions and programs, the differential effects of mental illness with regard to age, race, culture, gender identity, and socioeconomic status, the changing conceptions of cause, diagnosis, and treatment across time and socio-cultural boundaries, recovery interventions and comprehensive assessments

Notes:
Summer
Restriction: Only open to BSW U2 students

Administering Faculty: Faculty of Arts

Teaching Department: Social Work

Status (catalog level): Active

SWRK 354

Credit Weight: 3

Transcript Title: Soc Work in the Health Field

Calendar Title: Social Work in the Health Field.

Description:
An introduction to health and health institutions in the context of service delivery. Major themes will include: multidisciplinary teamwork in the hospital; crisis intervention; legal ethical issues; and emerging issues for social workers in health.

Notes:
Restrictions: Limited to BSW U2 and BSW U3 students.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Social Work

**Status (catalog level):** Active

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**SWRK 400**

**Credit Weight:** 3  
**Transcript Title:** Policy & Practice for Refugees  
**Calendar Title:** Policy and Practice for Refugees.

**Description:**  
Refugee-generating conflicts, international and national responses are considered. Canadian policy, history and response to refugees are analyzed. Theory-grounded practice with refugees is examined, including community organizing and direct service delivery to individuals and families.

**Notes:**  
Restrictions: Open to U3 students or by permission of the instructor.

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Social Work

**Status (catalog level):** Active

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**SWRK 404**

**Credit Weight:** 3  
**Transcript Title:** Fndtns of Soc Policy in Canada  
**Calendar Title:** Foundations of Social Policy in Canada.

**Description:**  
This course provides qualifying students with the knowledge and skills to understand, analyze, and critically evaluate social policy in Canada and internationally. It analyzes the values and assumptions that form existing social programs and policies and explores the social, economic, political and cultural contexts in which they have developed.

**Notes:**  
Restriction: Limited to "Qualifying Year" MSW students only

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Social Work

**Status (catalog level):** Active

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**SWRK 405**

**Credit Weight:** 3  
**Transcript Title:** Approaches/Comm&Group Practice  
**Calendar Title:** Approaches to Community and Group Practice.

**Description:**  
Theory and practice of work with groups and communities. Emphasis on understanding group concepts and dynamics and their application in therapeutic and task groups. Community organizing process and development of direct organizing skills. Phases of work in both group and community practice. Examination of power and conflict, diversity issues.

**Notes:**  
Restriction: Limited to "Qualifying Year" MSW students only

**Administering Faculty:** Faculty of Arts

**Teaching Department:** Social Work

**Status (catalog level):** Active

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**SWRK 420**

**Credit Weight:** 3  
**Transcript Title:** Advanced Field Practice 1  
**Calendar Title:** Advanced Field Practice 1.
Description:
Supervised educational experience in social work practice at an advanced level.

Notes:
Prerequisite: SWRK 219; SWRK 220; SWRK 221; SWRK 222; SWRK 224; SWRK 319; SWRK 320; SWRK 321; SWRK 322; SWRK 323; SWRK 326; SWRK 327; SWRK 344).
Restrictions: Only open to B.S.W. U3 students.
Students must have completed 39 credits of U1 and U2 B.S.W. required courses plus 15 credits derived from any combination of B.S.W. SWRK complementary, non-SWRK complementary, and/or non-SWRK elective courses totalling 54 credits.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

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SWRK 421
Credit Weight: 3
Transcript Title: Advanced Field Practice 2
Calendar Title: Advanced Field Practice 2.
Description:
Supervised educational experience in social work practice at an advanced level.

Notes:
Restriction: Only open to B.S.W. U3 students.
Prerequisite: SWRK 420
Corequisite: SWRK 422

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

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SWRK 422
Credit Weight: 3
Transcript Title: Integrative Seminar 2
Calendar Title: Integrative Seminar 2.
Description:
Analyzing field experiences operationalizing the link between scholarship and practice. Dimensions of equity will be integrated.

Notes:
Prerequisite: SWRK 420
Restriction: Only open to B.S.W. U3 students.
Corequisite: SWRK 421

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

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SWRK 423
Credit Weight: 3
Transcript Title: Social Work Research
Calendar Title: Social Work Research.
Description:
Appraising and analyzing social work practice research, including the perspectives of the authors, the literature reviewed, the practice questions, the research methodology and analysis and the implications of the findings for practice.

Notes:
Restrictions: Only open to B.S.W. U3 students.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active
SWRK 424
Credit Weight: 3
Transcript Title: Mental Health and Illness
Calendar Title: Mental Health and Illness.
Description:
Symptoms of mental illness and approaches to the delivery of services and programs within various sites of care. Impact of stigma and the place of psychosocial rehabilitation. Biopsychosocial framework and effective practice models examined with an emphasis on policy and its implications for the delivery of services and programs.
Notes:
Prerequisite: SWRK 320
Restriction: Only open to B.S.W. U3 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 425
Credit Weight: 3
Transcript Title: Advanced SW Practice in QC
Calendar Title: Advanced Social Work Practice in Quebec.
Description:
The Reserved Acts (designated by the OTSTCFQ). Exploration of micro, mezzo, macro levels of social work practice.
Notes:
Restriction: Open only to BSW U3 students.
Prerequisites: SWRK 320 and SWRK 326
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 428
Credit Weight: 3
Transcript Title: Social Policy & Administration
Calendar Title: Social Policy and Administration.
Description:
An analysis of the administrative structures and dynamics of social service organizations, with special attention to Québec policies and to the role of social workers. Examples are drawn from current field experiences of students.
Notes:
Prerequisites: SWRK 221
Restriction: Only open to B.S.W. U3 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 434
Credit Weight: 3
Transcript Title: Prac with Involuntary Clients
Calendar Title: Practice with Involuntary Clients.
Description:
Issues and practice problems encountered with involuntary clients in settings such as courts, youth protection agencies and total institutions. Topics include: reaction of the client and worker to the "involuntary" situation, the ethics and efficacy of "coerced treatment" and practice interventions with involuntary
clients. Students draw on their own experience with these issues.

Notes:

Winter

Restriction: Open to B.S.W. U2 and U3 students, or by permission of the instructor

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 445
Credit Weight: 3
Transcript Title: First Peoples and Social Work
Calendar Title: First Peoples and Social Work.
Description:
An analysis of Canadian policies and legislation, their impact on First Peoples and on social work practice. Historical and contextual overviews of European-Canadian and First Nations, Métis and Inuit relations.

Notes:
Prerequisite(s): SWRK 220
Restriction(s): Only open to B.S.W. U3 students.
This course carries an additional charge of $8.73 to cover the cost of transportation to attend a lecture at the Kahnawake Longhouse. The fee is refundable only during the withdrawal with full refund period.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 463
Credit Weight: 3
Transcript Title: SW Practice with Older Adults
Calendar Title: Social Work Practice with Older Adults.
Description:
An introduction to gerontological social work practice and the roles of social workers in a variety of settings. Themes include: the strengths of older people, families in later life, retirement, caregiving, death of a spouse or partner, institutionalization, end of life care, economics and aging, community care and services and resources for older adults.

Notes:
Restrictions: Limited to BSW U3 and U3 non-Social Work students

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 471
Credit Weight: 3
Transcript Title: Tutorial in Soc Work Research
Calendar Title: Tutorial in Social Work Research.
Description:
With approval and under the supervision of an interested faculty member, students propose and pursue a small-scale research project of their own or contribute to the faculty member's research project, either individually or in a small group. The faculty member oversees the tutorial which includes one or more aspects of research: literature review, collection or analysis of data, report writing.

Notes:
Restriction: Only open to B.S.W. U3 students.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 485
Credit Weight: 3
Transcript Title: Tutorial: Social Work Practice
Calendar Title: Tutorial in Social Work Practice.
Description:
With approval and under the supervision of an interested faculty member, students propose and pursue a topic of their own related to social work practice or contribute to a faculty member's topic of interest related to social work practice. Students work independently on the topic of interest related to social work practice, individually or in a small group. The faculty member oversees the tutorial on the topic of social work practice.
Notes:
Restriction: Only open to B.S.W. U3 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 486
Credit Weight: 3
Transcript Title: Tutorial in Social Policy
Calendar Title: Tutorial in Social Policy.
Description:
With approval and under the supervision of an interested faculty member, students propose and pursue a topic of their own related to social policy or contribute to a topic of interest of a faculty related to social policy. Students work independently on the topic of interest related to social policy, individually or in a small group. The faculty member oversees the tutorial on the topic of social policy.
Notes:
Restriction: Only open to B.S.W. U3 students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 492
Credit Weight: 3
Transcript Title: Violence against Women & Children
Calendar Title: Violence against Women and Children.
Description:
Through a feminist theoretical lens, this course examines a range of male-perpetrated sexual and physical abuses of women and children. Such an examination includes critical appraisals of "common knowledge", research findings, dominant modes of intervention, and social welfare policies and legislation.
Notes:
Winter
Restriction: Limited to BSW U3, 2-year BSW, and Women's Studies Major/Minor Concentration students
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 493
Credit Weight: 3
Transcript Title: Seminar on Child Protection
Calendar Title: Seminar on Child Protection.
Description:
The field of child protection and the problems of physical and sexual abuse and neglect of children. The general characteristics of this vulnerable population group and their families as well as some models of intervention.
Notes:
Restriction: Limited to BSW U3 students
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 498
Credit Weight: 3
Transcript Title: Clinical Practice Seminar 2
Calendar Title: Clinical Practice Seminar 2.
Description:
Practice competence with various population groups. Topics may change from year to year.
Notes:
Fall
Restrictions: Limited to BSW U2, BSW U3, and 2-year BSW students.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 510
Credit Weight: 3
Transcript Title: Critical Disability Studies
Calendar Title: Critical Disability Studies.
Description:
The application of critical disability theory and approaches to social work practice with individuals, families and communities; consideration of intersecting identities/social locations and interlocking oppression; attention to the evaluation and critique of dominant discourses and practices within health and social care, both historically and contemporaneously; exploration of alternative frameworks including social model of disability, and disability justice frameworks and their relevance to social work; attention to social work intervention, advocacy and self-advocacy movements; examination of the role of people with disabilities in policy and program level decision-making with attention to agency, resilience and resistance.
Notes:
Restriction(s): Not open to students who have taken SWRK 669.
Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

SWRK 532
Credit Weight: 3
Transcript Title: International Social Work
Calendar Title: International Social Work.
Description:
Discussion based upon intensive study and reports on problems in selected countries. Emphasis on identifying major social problems, understanding the social forces bearing on those problems and considering appropriate professional approaches to aid in their solution.
Notes:
Restriction: Open to U3 and M.S.W. students, or by permission of the instructor.

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

**SWRK 535**

Credit Weight: 3
Transcript Title: Addictions
Calendar Title: Addictions.

Description:
An introduction into the broad field of addictions with a focus on drug dependence. Students will have an opportunity to critically reflect and analyse the multiple approaches and models to treating addictions. Students will be provided with concepts and practical applications to screen, assess, evaluate, and intervene with multiple populations over the life span. Students will be exposed to different service providers in the area of addictions. Focus on a practical approach will highlight throughout the course with the intention of providing students with the necessary insight to respond within multiple settings. Perspectives on specific populations will be elaborated and key concepts and approaches to understanding the complexity of each. Students will have the opportunity to further their understanding of the factors and consequences of addiction over a life span as well as the impact on society.

Notes:
Restrictions: Open to U3 B.S.W. and M.S.W. students, or by permission of the instructor. Not open to students who have taken SWRK 498 or SWRK 649 when topic was "Addictions".

Administering Faculty: Faculty of Arts
Teaching Department: Social Work
Status (catalog level): Active

**SWRK 602**

Credit Weight: 3
Transcript Title: Youth Justice in Canada
Calendar Title: Youth Justice in Canada.

Description:
Youth delinquency and youth justice intervention from theoretical and practical perspectives, including socio-legal responses to youth crime and strategies of intervention. Exploration of the ways in which gender, 'race', socio-economic status and other factors shape young people's contact and experiences with the criminal justice system.

Notes:
Note: Open to all graduate-level students (including students outside of Social Work).

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

**SWRK 603**

Credit Weight: 3
Transcript Title: Evidence Informed Advocacy
Calendar Title: Evidence Informed Advocacy.

Description:
This applied learning course explores how social workers can identify and address systemic social injustices in change resistant environments. The roles of philosophy/worldview, evidence, social work values/ethics, moral courage, communication are stressed in the formulation of peaceful and respectful advocacy.
strategies.

Notes:
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 605
Credit Weight: 3
Transcript Title: Anti-Racist SW Practice
Calendar Title: Anti-Racist Social Work Practice.
Description:
Critical exploration of ways anti-Black and anti-Indigenous racism have shaped our institutions, health, culture, beliefs and the social work profession in Canada. The ways power and privilege are maintained and perpetuated within these institutions and communities. Examination of how Indigenous communities globally resist assaults on their lands and cultures, both historically and currently.

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 606
Credit Weight: 3
Transcript Title: Reclaiming Child Welfare
Calendar Title: Reclaiming Child Welfare.
Description:
Reflection on current practices in child welfare. An overview of contemporary theoretical frameworks and students' experiences in the field will form the basis of class discussion. Topics include: the construction of abuse and neglect; the risk ethos, families'/mothers' experiences of child welfare services; the reflective practitioner and resistance.

Notes:
Note: Seminar.

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 609
Credit Weight: 3
Transcript Title: Understanding Social Care
Calendar Title: Understanding Social Care.
Description:
Historical overview of social care to respond to contemporary issues in health and community services. Topics include: meaning of care; history of care in home and community; need, risk, dependence/independence; and organisation of care in Quebec and beyond.

Notes:

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 610
Credit Weight: 3
Transcript Title: Family Treatment
Calendar Title: Family Treatment.
Description:
An advanced seminar on techniques and practice of current therapies.
Notes:
Prerequisite: SWRK 622
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 620
Credit Weight: 3
Transcript Title: Migration and Social Work
Calendar Title: Migration and Social Work.
Description:
Informing practice through examination of how migration's social, economic, political, legal, cultural aspects shape lives of those migrating voluntarily or involuntarily to Canada. Historical context of immigration policies, acculturation frameworks, different models of service provision in resettlement. Intersecting oppressions of status, ethnicity, gender, class, age, sexual orientation and differential ability.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 621
Credit Weight: 3
Transcript Title: Seminar on Trauma & Resilience
Calendar Title: Seminar on Trauma and Resilience.
Description:
Examination of the concepts of trauma and resilience within a comparative and international context. Exploration of theory, research, and practice interventions concerning trauma and resilience, both nationally and globally. Analysis of the ways in which culture, ethnicity, gender, class, and age shape experiences of trauma and recovery.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 622
Credit Weight: 3
Transcript Title: Understanding & Assessing Fam
Calendar Title: Understanding and Assessing Families.
Description:
The changing family system and overview of recent advancements in family assessment. Family developmental and systemic applications, with attention to the heterogeneity and diversity of the post-modern family, integrating contextual, gender, cultural and relational perspectives through the evaluation process.
Notes:
Prerequisite: SWRK 320 D1/D2
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 623
Credit Weight: 3
Transcript Title: Couple Therapy
Calendar Title: Couple Therapy.
Description: The goal of this course is to introduce students to the major models of couple therapy. The course will be divided into four core theoretical approaches to couple therapy: integrated systemic therapy for couples, emotionally focused therapy for couples, mentalizing based couple therapy, and cognitive behavioural marital therapy. Common factors will be explored such as communication skills, therapeutic alliance and client/therapist characteristics, in couple treatment. Models will be presented integrating the lens of gender, race, poverty, social class, and multiculturalism into couple treatment.
Notes: Prerequisite: SWRK 622
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 624
Credit Weight: 3
Transcript Title: Community Org.: Advocacy
Calendar Title: Community Organization: Advocacy.
Description: The aim of this course is to develop an understanding of organizing advocacy at community and systemic levels. This session will focus specifically on an advocacy approach called "Mosquito Advocacy" where students will create social action campaigns to design and implement evidence informed social change movements.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 626
Credit Weight: 3
Transcript Title: Intl & Community Development
Calendar Title: International and Community Development.
Description: Advanced analysis of international and community development as a field of practice, policy and research. Critical concepts include colonization, development and underdevelopment, international socio-economic inequalities, social justice and social change, planning for development, governance.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 628
Credit Weight: 3
Transcript Title: Violence against Women
Calendar Title: Violence against Women.
Description: Discussion of the psychological, social and political factors which create and maintain a society where male violence against the women they love occurs. A feminist theoretical perspective will be developed and analyzed. Treatment approaches will be considered focussing on interventive strategies to help both the battered and the batterers.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active
SWRK 630
Credit Weight: 3
Transcript Title: Adult Mental Health
Calendar Title: Adult Mental Health.
Description: The objective of this course will be to familiarize students with theories of psychopathology including diagnostic systems, the history of the study of psychopathology and treatment of mental illness. Emphasis will be placed on understanding abnormal behaviour in adults (e.g. anxiety and posttraumatic stress disorders, substance abuse, psychotic disorders and affective disorders and somatization disorders).
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 631
Credit Weight: 3
Transcript Title: Leadership and Organization
Calendar Title: Leadership and Organization.
Description: Prepares students for participation in non-profit organizations, as founders, leaders, managers, workers, volunteers or members. Contemporary theories of management and organization to understand organizational dynamics, structures, processes. Practical knowledge/skills to articulate vision and values, develop strategy, improve performance, and manage yourself, people, finances, information and work through partnerships, contracts, networks, coalitions.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 633
Credit Weight: 3
Transcript Title: Program Evaluation
Calendar Title: Program Evaluation.
Description: The theoretical and practical problems involved in evaluating the impact of social work services and social welfare programs. Topics include goal definition, comparison of experimental and non-experimental designs, data sources, qualitative and quantitative approaches, and outcome measures.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 635
Credit Weight: 3
Transcript Title: Adv Clinical Sem: Use of Self
Calendar Title: Advanced Clinical Seminar: Use of Self.
Description: Psychological selves in relation to the work done with clients, including psychoanalytic theory, object relations, attachment theory, transference.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 636
Credit Weight: 3
Transcript Title: Tutorial in Social Work
Calendar Title: Tutorial in Social Work.
Description:
An individual or small group tutorial in which students will work independently in conjunction with the instructor. The student will undertake a major project related to the area of specialization.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 641
Credit Weight: 3
Transcript Title: Social Policy Analysis
Calendar Title: Social Policy Analysis.
Description:
A seminar that reviews available theoretical approaches to the analysis of social policy, examines their ideological and methodological characteristics, and applies them to selected substantive welfare policies.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 642
Credit Weight: 3
Transcript Title: Tutorial Social Welfare
Calendar Title: Tutorial Social Welfare.
Description:
This tutorial permits students to pursue studies in special areas not covered in other courses offered, or to study in greater depth subjects covered in earlier work. Emphasis is on the content, operation and analysis of social welfare programs.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 643
Credit Weight: 3
Transcript Title: Research Methods 2
Calendar Title: Research Methods 2.
Description:
Covers a range of qualitative and quantitative methods used in social work related research. Focuses on research skills and knowledge mobilization tools for conducting applied research in partnership with social service agencies and communities.
Notes:
Prerequisite: SWRK 653.
Restriction: Limited to M.S.W. students.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 649
Credit Weight: 3
Transcript Title: Sp Topics in Social Welfare
Calendar Title: Special Topics in Social Welfare.
Description:
This course will be offered from time to time to deal with topics of current interest in social welfare, that are not covered in other courses. Specific content will differ from year to year.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 650
Credit Weight: 3
Transcript Title: Field Work Practicum 1
Calendar Title: Field Work Practicum 1.
Description:
Supervised educational experience in social work practice integrating practice with theoretical knowledge characteristic of the specialized field. Individual and group instruction. Involves approximately 115 hours of work in a field setting.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 651
Credit Weight: 3
Transcript Title: Field Work Practicum 2
Calendar Title: Field Work Practicum 2.
Description:
Supervised educational experience in social work practice integrating practice with theoretical knowledge characteristic of the specialized field. Individual and group instruction. Involves approximately 115 hours of work in a field setting.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 653
Credit Weight: 3
Transcript Title: Research Methods 1
Calendar Title: Research Methods 1.
Description:
Covers a range of qualitative and quantitative methods used in social work related research. Provides a framework for accessing, interpreting, and integrating research literature into social work practice.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 655
Credit Weight: 3
Transcript Title: Seminar on Aging
Calendar Title: Seminar on Aging.
Description:
Advanced graduate seminar which focuses on a critical examination of historical and contemporary theories and practice models in gerontological social work.

Notes:
Specific content will vary from year to year to allow for in-depth exploration of current topics in aging.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 657
Credit Weight: 3
Transcript Title: Child/Adolescent Mntl Health
Calendar Title: Child and Adolescent Mental Health.
Description: Canadian mental health policies and practices related to children and adolescents, including historical trends in the conceptualization of mental illness/wellness, and foundations of child/adolescent DSM diagnoses and best practice approaches.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 660
Credit Weight: 6
Transcript Title: Field Work Practicum 3
Calendar Title: Field Work Practicum 3.
Description: Supervised educational experience in social work practice integrating practice with theoretical knowledge characteristic of the specialized field. Individual and group instruction. Involves approximately 115 hours of work in a field setting.
Notes: Involves approximately 220 hours of work in a field setting
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 668
Credit Weight: 3
Transcript Title: Living w/Illness,Loss&Bereave
Calendar Title: Living with Illness, Loss and Bereavement.
Description: This seminar addresses the psycho-social concerns of patients and family members living with illness and/or non-bereavement loss. An interdisciplinary theoretical perspective is combined with clinical practice interventions. Special attention will be given to the role of the social worker.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Social Work

SWRK 670
Credit Weight: 3
Transcript Title: Seminar on Caregiving
Calendar Title: Seminar on Caregiving.
Description: Critical engagement with existing knowledge claims in the social work literature on caregiving and examination of the impact of policy and practice on the lives of caregivers. Special emphasis is placed upon advances in social work practice with older people and people with disabilities.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 690
Credit Weight: 9
Transcript Title: Independent Study Project
Calendar Title: Independent Study Project.
Description:
An independent study project on a topic of interest in a comprehensive and creative fashion. The project is completed by the student following initial guidance from her/his advisor. It systematically examines a theoretical, substantive or empirical matter, using appropriate methodology.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 690D1
Credit Weight: 4.5
Transcript Title: Independent Study Project
Calendar Title: Independent Study Project.
Description:
An independent study project on a topic of interest in a comprehensive and creative fashion. The project is completed by the student following initial guidance from her/his advisor. It systematically examines a theoretical, substantive or empirical matter, using appropriate methodology.

Notes:
Students must register for both SWRK 690D1 and SWRK 690D2
No credit will be given for this course unless both SWRK 690D1 and SWRK 690D2 are successfully completed in consecutive terms
SWRK 690D1 and SWRK 690D2 together are equivalent to SWRK 690

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 690D2
Credit Weight: 4.5
Transcript Title: Independent Study Project
Calendar Title: Independent Study Project.
Description:
See SWRK 690D1 for course description.

Notes:
Prerequisite: SWRK 690D1
No credit will be given for this course unless both SWRK 690D1 and SWRK 690D2 are successfully completed in consecutive terms
SWRK 690D1 and SWRK 690D2 together are equivalent to SWRK 690

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 691
Credit Weight: 12
Transcript Title: Soc Wk/Law Indep Study Project
Calendar Title: Social Work / Law Independent Study Project.
Description:
Students will produce an essay consisting of: 1) identifying a substantive area which integrates core legal and social work knowledge; 2) analyzing the legal and behavioural science information in each substantive area; 3) developing and applying relevant theoretical frameworks; 4) developing research questions to be examined by qualitative or quantitative methods; 5) integrating research findings.

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 691D1
Credit Weight: 6
Transcript Title: Soc Wk/Law Indep Study Project
Calendar Title: Social Work / Law Independent Study Project.
Description:
Students will produce an essay consisting of: 1) identifying a substantive area which integrates core legal and social work knowledge; 2) analyzing the legal and behavioural science information in each substantive area; 3) developing and applying relevant theoretical frameworks; 4) developing research questions to be examined by qualitative or quantitative methods; 5) integrating research findings.
Notes:
Students must register for both SWRK 691D1 and SWRK 691D2
No credit will be given for this course unless both SWRK 691D1 and SWRK 691D2 are successfully completed in consecutive terms
SWRK 691D1 and SWRK 691D2 together are equivalent to SWRK 691
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 691D2
Credit Weight: 6
Transcript Title: Soc Wk/Law Indep Study Project
Calendar Title: Social Work / Law Independent Study Project.
Description:
See SWRK 691D1 for course description.
Notes:
Prerequisite: SWRK 691D1
No credit will be given for this course unless both SWRK 691D1 and SWRK 691D2 are successfully completed in consecutive terms
SWRK 691D1 and SWRK 691D2 together are equivalent to SWRK 691
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 698
Credit Weight: 12
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of a supervisor.
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 698D1
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
Independent research work under the direction of a supervisor.
Notes:
Students must register for both SWRK 698D1 and SWRK 698D2
No credit will be given for this course unless both SWRK 698D1 and SWRK 698D2 are successfully completed in consecutive terms
SWRK 698D1 and SWRK 698D2 together are equivalent to SWRK 698

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 698D2
Credit Weight: 6
Transcript Title: Thesis Research 1
Calendar Title: Thesis Research 1.
Description:
See SWRK 698D1 for course description.
Notes:
Prerequisite: SWRK 698D1
No credit will be given for this course unless both SWRK 698D1 and SWRK 698D2 are successfully completed in consecutive terms
SWRK 698D1 and SWRK 698D2 together are equivalent to SWRK 698

SWRK 699
Credit Weight: 15
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
Independent research work under the direction of a supervisor.

SWRK 699D1
Credit Weight: 7.5
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
Independent research work under the direction of a supervisor.
Notes:
Students must register for both SWRK 699D1 and SWRK 699D2
No credit will be given for this course unless both SWRK 699D1 and SWRK 699D2 are successfully completed in consecutive terms
SWRK 699D1 and SWRK 699D2 together are equivalent to SWRK 699

SWRK 699D2
Credit Weight: 7.5
Transcript Title: Thesis Research 2
Calendar Title: Thesis Research 2.
Description:
See SWRK 699D1 for course description.
Notes:
Prerequisite: SWRK 699D1
No credit will be given for this course unless both SWRK 699D1 and SWRK 699D2 are successfully completed in consecutive terms
SWRK 699D1 and SWRK 699D2 together are equivalent to SWRK 699
Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 701
Credit Weight: 0
Transcript Title: Comprehensive Examination
Calendar Title: Comprehensive Examination.
Description:
An examination that must be passed by all doctoral candidates in order to continue in the doctoral program.
Notes:
Restriction: Open only to students in the joint Social Work Ph.D. program

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 720
Credit Weight: 3
Transcript Title: Thought&Theory Dev in Soc Wk
Calendar Title: Thought and Theory Development in Social Work.
Description:
The purpose of this seminar is to explore the origins and historical development of social work theory. Included in the analysis of this development will be the impact of material, cultural and ideological shifts within society in general and social welfare in particular. Attention will also be given to the effect of changes within relevant social science disciplines on the process of social work theory development and its relation to intervention.
Notes:
Restriction: Open only to students in the joint Social Work Ph.D. program

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 721
Credit Weight: 3
Transcript Title: Advanced Integrative Seminar
Calendar Title: Advanced Integrative Seminar.
Description:
This seminar guides students to explore the theoretical, empirical and methodological traditions in scholarship that give rise to their research question. It also provides opportunities for students to engage in collaborative discussions and presentations of their emerging research proposals to support their advancement through the program.
Notes:
Prerequisite: Completion of comprehensive exam (SWRK 701)
Restriction: Open only to students in the joint Social Work Ph.D. program

Administering Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 721D1
Credit Weight: 1.5
Transcript Title: Advanced Integrative Seminar
Calendar Title: Advanced Integrative Seminar.
Description:
This seminar guides students to explore the theoretical, empirical and methodological traditions in scholarship that give rise to their research question. It also provides opportunities for students to engage in collaborative discussions and presentations of their emerging research proposals to support their advancement through the program.

**Notes:**
Students must register for both SWRK 721D1 and SWRK 721D2
No credit will be given for this course unless both SWRK 721D1 and SWRK 721D2 are successfully completed in consecutive terms.
SWRK 721D1 and SWRK 721D2 together are equivalent to SWRK 721.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Social Work
**Status (catalog level):** Active

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**SWRK 721D2**

**Credit Weight:** 1.5

**Transcript Title:** Advanced Integrative Seminar

**Calendar Title:** Advanced Integrative Seminar.

**Description:**
This seminar guides students to explore the theoretical, empirical and methodological traditions in scholarship that give rise to their research question. It also provides opportunities for students to engage in collaborative discussions and presentations of their emerging research proposals to support their advancement through the program.

**Notes:**
Prerequisite: SWRK 721D1
No credit will be given for this course unless both SWRK 721D1 and SWRK 721D2 are successfully completed in consecutive terms.
SWRK 721D1 and SWRK 721D2 together are equivalent to SWRK 721.

**Administering Faculty:** Graduate Studies
**Teaching Department:** Social Work
**Status (catalog level):** Active

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**SWRK 722**

**Credit Weight:** 3

**Transcript Title:** Adv Seminar: Social Wk Interven

**Calendar Title:** Advanced Seminar: Social Work Intervention.

**Description:**
Comparative study of certain models of social work intervention from the point of view of their internal logical structure and their practical effectiveness. The models to be presented will be analyzed in terms of their origins, their underlying values, their objectives, their modes of intervention, and their effectiveness.

**Notes:**
Restriction: Open only to students in the joint Social Work Ph.D. program

**Administering Faculty:** Graduate Studies
**Teaching Department:** Social Work
**Status (catalog level):** Active

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**SWRK 723**

**Credit Weight:** 3

**Transcript Title:** Adv Seminar on Social Policy

**Calendar Title:** Advanced Seminar on Social Policy.

**Description:**
Analysis of social policies and their impact on social work practice and on the clienteles that they affect. Study of the interaction between social policies and
styles of management of social work organizations responsible for their application.

Notes:
Restriction: Open only to students in the joint Social Work Ph.D. program

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 724
Credit Weight: 3
Transcript Title: Adv Res Methds &Anal:Quan Data
Calendar Title: Advanced Research Methods and Analysis: Quantitative Data.
Description:
Problems encountered in the use of quantitative methods in social work research.
Types of quantitative research useful in social welfare policy analysis and discussion of yield from alternative analytic methods.
Notes:
Restriction: Open only to students in the joint Social Work Ph.D. program

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 725
Credit Weight: 3
Transcript Title: Adv Qual Res Methods&Data Anal
Calendar Title: Advanced Qualitative Research Methods and Data Analysis.
Description:
Review of the principal methods comprised under the area of qualitative research and problems related to the utilization of those methods. Particular attention to analysis arising from these methods.
Notes:
Restriction: Open only to students in the joint Social Work Ph.D. program

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active

SWRK 726
Credit Weight: 3
Transcript Title: Independent Study
Calendar Title: Independent Study.
Description:
Independent study of a selected field or topic.
Notes:
Restriction: Open only to students in the joint Social Work Ph.D. program

Administrating Faculty: Graduate Studies
Teaching Department: Social Work
Status (catalog level): Active
TRNS COMS
Credit Weight: 15
Transcript Title: Communications Transfer Crs
Calendar Title: Communications Transfer Course.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

TRNS ENGR
Credit Weight: 15
Transcript Title: Engineering Gen Transfer Crs
Calendar Title: Engineering General Transfer Course.
Administering Faculty: Faculty of Engineering
Teaching Department: Engineering - Dean's Office
Status (catalog level): Active

TRNS GNST
Credit Weight: 15
Transcript Title: General Studies Transfer Crs
Calendar Title: General Studies Transfer Course.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

TRNS HUMN
Credit Weight: 15
Transcript Title: Humanities Transfer Course
Calendar Title: 
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

TRNS LANG
Credit Weight: 15
Transcript Title: Foreign Lang Transfer Course
Calendar Title: Foreign Language Transfer Course.
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active

TRNS MASC
Credit Weight: 15
Transcript Title: Math and Sciences Transfer Crs
Calendar Title:
Administering Faculty: Faculty of Science
Teaching Department: Science
Status (catalog level): Active

TRNS SOSC
Credit Weight: 15
Transcript Title: Social Sciences Transfer Crs
Calendar Title:
Administering Faculty: Faculty of Arts
Teaching Department: Arts - Dean's Office
Status (catalog level): Active
UQAC 023
Credit Weight: 3
Transcript Title: English Skills III
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 024
Credit Weight: 3
Transcript Title: English Skills IV
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 100
Credit Weight: 3
Transcript Title: Alimentation & activité physique
Calendar Title: Alimentation et activité physique
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 101
Credit Weight: 3
Transcript Title: Intro à l'anthro sociale&cultu
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 102
Credit Weight: 3
Transcript Title: Gestion financière
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 103
Credit Weight: 3
Transcript Title: Comptabilité: concepts fondamentaux
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 104
Credit Weight: 3
Transcript Title: Principes de marketing
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 105
Credit Weight: 3
Transcript Title: Principes de Management
Calendar Title: Principes de Management.
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 106
Credit Weight: 3
Transcript Title: Théories de la Personnalité
Calendar Title: 
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 1060
Credit Weight: 3
Transcript Title: Ident. coll.&rapp. intercult.
Calendar Title: 
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 109
Credit Weight: 3
Transcript Title: Droit des affaires
Calendar Title: 
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 110
Credit Weight: 3
Transcript Title: Concep&anal dela coop internat
Calendar Title: 
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 111
Credit Weight: 3
Transcript Title: Espagnol élémentaire I
Calendar Title: 
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 112
Credit Weight: 3
Transcript Title: Espagnol élémentaire II
Calendar Title: 
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 113
Credit Weight: 3
Transcript Title: Chimie organique I
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 114
Credit Weight: 3
Transcript Title: Éléments d'ergonomie
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 116
Credit Weight: 3
Transcript Title: Comportement hum & context soc
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 119
Credit Weight: 3
Transcript Title: Hist des sci/démarche scientif
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 120
Credit Weight: 3
Transcript Title: Psycho du dévelop de l'enfant
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 1200
Credit Weight: 3
Transcript Title: Éthique et enjeux culturels
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 121
Credit Weight: 3
Transcript Title: Hist. des sci. et démarche sci
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 123
Credit Weight: 3
Transcript Title: Psychologie de l'apprentissage
Calendar Title: Psychologie de l'apprentissage.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 124
Credit Weight: 3
Transcript Title: Appr pharma et sci infirmières
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 125
Credit Weight: 3
Transcript Title: Appren. moteur et kinésiologie
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 127
Credit Weight: 3
Transcript Title: Déviance sociale & dépendances
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 128
Credit Weight: 3
Transcript Title: Psycho des groupes restreints
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 130
Credit Weight: 3
Transcript Title: Psychologie sociale
Calendar Title: Psychologie sociale.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 135
Credit Weight: 3
Transcript Title: Psycho du dév de l'adolescent
Calendar Title: Psychologie du développement de l'adolescent.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 144
Credit Weight: 3
Transcript Title: Pharmacologie
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 145
Credit Weight: 3
Transcript Title: Psychopathologie descriptive
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 147
Credit Weight: 3
Transcript Title: Psycholog du travail & des org
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 148
Credit Weight: 3
Transcript Title: Saines habitudes vie
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 152
Credit Weight: 3
Transcript Title: Appr. relation.soin
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 155
Credit Weight: 3
Transcript Title: Anal&Int-données quant psych I
Calendar Title: Anal&Int-données quant psych I.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 156
Credit Weight: 3
Transcript Title: Psychophysiology/kin
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 186
Credit Weight: 3
Transcript Title: Activ phys, pharm & aides ergo
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 201
Credit Weight: 3
Transcript Title: Comp. Sains. Hab. vie et santé
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 202
Credit Weight: 3
Transcript Title: Natation et securite
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 205
Credit Weight: 3
Transcript Title: Int éduc phys motricité (2-5a)
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 206
Credit Weight: 3
Transcript Title: Gestion de la SST
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 207
Credit Weight: 3
Transcript Title: Immunologie
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 210
Credit Weight: 3
Transcript Title: Inégalités & problèmes sociaux
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 215
Credit Weight: 3  
Transcript Title: Gest. des ressources humaines  
Calendar Title:  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 216  
Credit Weight: 3  
Transcript Title: Dévelop humain & enviro social  
Calendar Title:  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 222  
Credit Weight: 3  
Transcript Title: Détente neuromusculaire  
Calendar Title:  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 243  
Credit Weight: 3  
Transcript Title: Dév & apprentis cogn & moteurs  
Calendar Title:  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 244  
Credit Weight: 3  
Transcript Title: Psychol du dévelop de l'adulte  
Calendar Title:  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 245  
Credit Weight: 3  
Transcript Title: Psycho. géronto.  
Calendar Title:  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 246  
Credit Weight: 3  
Transcript Title: Psychologie gérontologique  
Calendar Title: Psychologie gérontologique.  
Administering Faculty: School of Phys & Occ Therapy  
Teaching Department: Phys and Occ Therapy  
Status (catalog level): Active  

UQAC 248
Credit Weight: 3
Transcript Title: Approche relationnelle du soin
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 255
Credit Weight: 3
Transcript Title: Anal&interp de données quantII
Calendar Title: Analyse et interprétation de données quantitatives en psychologie II
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 305
Credit Weight: 3
Transcript Title: Psychologie de la santé
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 317
Credit Weight: 3
Transcript Title: Fondements/dyn. fam.
Calendar Title: Fondements de la dynamique familiale.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 318
Credit Weight: 3
Transcript Title: Éd à la santé et appr intercul
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 319
Credit Weight: 3
Transcript Title: Physiologie de l'homme en mouv
Calendar Title: Physiologie de l'homme en movement
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 320
Credit Weight: 3
Transcript Title: Physiologie de l'exercice
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 324
Credit Weight: 3
Transcript Title: Intro à la psycho sportive
Calendar Title: Introduction à la psychologie sportive.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 328
Credit Weight: 3
Transcript Title: Psychologie de la dépendance
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 329
Credit Weight: 3
Transcript Title: Psychologie de la sexualité
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 333
Credit Weight: 3
Transcript Title: Stage coop
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 429
Credit Weight: 3
Transcript Title: Population, santé & territoires
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 583
Credit Weight: 7
Transcript Title: Stage clinique en physiothérapie.
Calendar Title: 
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 611
Credit Weight: 4
Transcript Title: Méth. avancée de la recherche
Calendar Title: Méthodologie avancée de la recherche.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 612
Credit Weight: 3
Transcript Title: Méth. avancée de la recherche
Calendar Title: Méthodologie avancée de la recherche.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 660
Credit Weight: 5
Transcript Title: Réadapt. Cardiorespiratoire
Calendar Title: Réadaptation Cardiorespiratoire.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 671
Credit Weight: 7
Transcript Title: Stage spécialisé en physio I
Calendar Title: Stage spécialisé en physiothérapie II.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 672
Credit Weight: 7
Transcript Title: Stage spécialisé en physio II
Calendar Title: Stage spécialisé en physiothérapie II.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 673
Credit Weight: 7
Transcript Title: Stage spécialisé en physio III
Calendar Title: Stage spécialisé en physiothérapie III.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 674
Credit Weight: 7
Transcript Title: Stage spécialisé en physio IV
Calendar Title: Stage spécialisé en physiothérapie IV.
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active

UQAC 812
Credit Weight: 3
Transcript Title: Advanced Practices in PT
Calendar Title:
Administering Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
UQSP 116
Credit Weight: 3
Transcript Title: Théories de la Personnalité
Calendar Title:
Administrating Faculty: School of Phys & Occ Therapy
Teaching Department: Phys and Occ Therapy
Status (catalog level): Active
URBP 201
Credit Weight: 3
Transcript Title: Planning the 21st Century City
Calendar Title: Planning the 21st Century City.
Description:
The study of how urban planners respond to the challenges posed by contemporary cities world-wide. Urban problems related to the environment, shelter, transport, human health, livelihoods and governance are addressed; innovative plans to improve cities and city life are analyzed.
Notes:
(3-1-5)
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 501
Credit Weight: 2
Transcript Title: Principles and Practice 1
Calendar Title: Principles and Practice 1.
Description:
This six-week intensive course exposes students to issues and techniques that are applicable in diverse professional planning contexts. The subject matter, geographic area, scale of intervention and institutional location of planning varies from semester to semester. The course focuses on a specific case study and is taught by a visiting lecturer with professional experience in the selected subject matter.
Notes:
(2-0-4)
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 503
Credit Weight: 3
Transcript Title: Public Transport: Planning & Ops
Calendar Title: Public Transport: Planning and Operations.
Description:
Overview of topics in planning and operations for public transport with special emphasis on best-practice strategies of contemporary urban systems.
Notes:
Restriction: Graduate students and U3 students only.
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 504
Credit Weight: 3
Transcript Title: Planning for Active Transp.
Calendar Title: Planning for Active Transportation.
Description:
The importance of transit, walking, and cycling as modes of transportation in sustainable urban environments. Planning, design, and operation of mass transit systems, bikeways, and footpaths.
Notes:
(3-0-6)
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
URBP 505
Credit Weight: 3
Transcript Title: Geographic Information Systems
Calendar Title: Geographic Information Systems.
Description: An introduction to fundamental geographic information system (GIS) concepts and a range of GIS applications in urban and regional planning.
Notes: (0-2-7)
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 506
Credit Weight: 3
Transcript Title: Envrmnt1 Policy and Planning
Calendar Title: Environmental Policy and Planning.
Description: Analytical and institutional approaches for understanding and addressing environmental issues at various scales; characteristics of environmental issues, science-policy-politics interactions relating to the environment, and implications for policy; sustainability, and the need for and challenges associated with interdisciplinary perspectives; externalities and their regulation; public goods; risk perception and implications; the political-institutional context and policy instruments; cost-benefit analysis; multiple-criteria decision-making approaches; multidimensional life-cycle analysis; policy implementation issues; conflict resolution; case studies.
Notes: (3-0-6)
Restriction: This course is open to students in U3 and above
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 507
Credit Weight: 3
Transcript Title: Planning and Infrastructure
Calendar Title: Planning and Infrastructure.
Description: An exploration of the interrelationship between land-use planning and infrastructure provision, especially water and sewerage. An examination of their policy and regulatory frameworks and other methodology of plan making and evaluation.
Notes: (8-.5-.5)
Restriction: Must be enrolled in the Barbados Field study Semester.
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 514
Credit Weight: 3
Transcript Title: Community Design Workshop
Calendar Title: Community Design Workshop.
Description:
Context-focused community-based architectural projects undertaken in collaboration with external partners. Exploration of challenges, needs, and opportunities in architectural and urban-design interventions on real sites through interdisciplinary and cross-sectoral collaboration.

Notes:
(1-4-4)
Restriction(s): Not open to students who have taken or are taking ARCH 514.

Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 519
Credit Weight: 6
Transcript Title: Sustainable Development Plans
Calendar Title: Sustainable Development Plans

Description:
Geared for solving real-world environmental problems related to water at the local, regional and international scale in Barbados. Projects to be designed by instructors in consultation with university, government and NGO partners and to be conducted by teams of 2 to 4 students in collaboration with them.

Notes:
(0-10-8)
Restrictions: Must be enrolled in Barbados Field Study Semester. Not open to students who have taken or are taking AGRI 519 or CIVE 519.

Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 520
Credit Weight: 3
Transcript Title: Globaliz: Planning & Change
Calendar Title: Globalization: Planning and Change

Description:
Economic and social issues related to planning for sustainable development, with a focus on water. Political and environmental determinants of resource use. Impact of global, regional and local institutions, programs and plans in Barbados and in the field locale in general.

Notes:
(3-3-3)
Restriction: Must be enrolled in the Barbados Field Study Semester.

Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 530
Credit Weight: 3
Transcript Title: Urb Infrastr&Serv in Intl Cont
Calendar Title: Urban Infrastructure and Services in International Context

Description:
Issues of practical and theoretical importance in relation to urban infrastructure and services in the international context: science and technology, political economy, policy analysis, policy implementation, public finance, and institutions and governance.

Notes:
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 536
Credit Weight: 2
Transcript Title: Current Issues in Transp 1
Calendar Title: Current Issues in Transportation 1.
Description: Current transportation issues and topics are addressed from practitioner and academic perspectives.
Notes: (1-0-5)
Administrating Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 537
Credit Weight: 2
Transcript Title: Current Issues in Transp 2
Calendar Title: Current Issues in Transportation 2.
Description: Current transportation issues and topics are addressed from the perspectives of both professional practitioners and academics.
Notes: (1-0-5)
Prerequisite: URBP 536
Administrating Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 541
Credit Weight: 1
Transcript Title: Selected Topics in Planning
Calendar Title: Selected Topics in Planning.
Description: Methods and techniques pertinent to contemporary practice in urban planning.
Notes: (1-0-2)
Administrating Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 542
Credit Weight: 1
Transcript Title: Select. Topics:Visual Analysis
Calendar Title: Selected Topics in Visual Analysis.
Description: Methods and techniques of visual analysis pertinent to contemporary practice in urban planning.
Notes: (1-0-2).
Administrating Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 543
Credit Weight: 3
Transcript Title: Special Topics
Calendar Title: Special Topics.
Description:
Special topics related to Urban Planning will be presented by staff and visiting lecturers.
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 551
Credit Weight: 3
Transcript Title: Urban Design and Planning
Calendar Title: Urban Design and Planning.
Description:
Fundamentals of city-building in Canada relative to municipal, regional, and provincial actions used to guide urban growth and development. Contemporary urban design in major metropolitan centres as shaped by legal, political, and cultural realities. Current preoccupations in city-building: reurbanisation and adaptive reuse of infrastructure, collaborative multi-stakeholder projects, strategic initiatives, changing relationships between professional experts and grassroots actors. Introduction to specific aspects of practice: public participation and community engagement; land development and real estate; project feasibility and implementation; policy monitoring and evaluation; emergent city-building regimes.
Notes:
(3-0-6)
Restrictions: Not to be taken by undergraduates before U3. Not open to M.Arch. students.
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 553
Credit Weight: 3
Transcript Title: Urban Governance
Calendar Title: Urban Governance.
Description:
Critical perspectives on the governance of contemporary cities and urban regions, with a focus on North America. The relationship between planners and other important local governance actors, including municipal governments, the real estate industry, and community groups. The role of planning and planners in challenging or perpetuating urban social, political, economic, and environmental inequities.
Notes:
(3-0-6)
Restriction(s): Not open to students who have taken URBP 617 in fall 2015 or URBP 616 in fall 2016.
Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 555
Credit Weight: 3
Transcript Title: Real Estate and Planning
Calendar Title: Real Estate and Planning.
Description:
Basic concepts of real estate and property rights and how these are valued. The specificities of property markets and their segmentation. The paradox of real estate uniqueness. Actors and processes of real estate development and investment in practical terms (proforma analysis, investment analysis, leases and property management) and broader terms (institutional investors, financialization). Segmentation of development processes among local, supralocal and international actors, including consultants. Roles of the planner and planning regulations; how these affect property values and property development with specific reference to Québec planning legislation and powers. Market evaluation and analysis of the development potential of specific sites.

Notes:
(3-0-6)

Restriction(s): Not open to students who have taken URBP 617 in winter 2017.

Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 556
Credit Weight: 3
Transcript Title: Urban Economy: A Spatial Persp
Calendar Title: Urban Economy: A Spatial Perspective.
Description:
Economic functions played by cities; economic processes governing city formation, city growth, and the internal spatial organization of cities. Describing and understanding how cities can be interpreted as economic phenomena. Economic origins of cities, the industrial revolution, city systems and networks, the role of mobility and telecommunications, innovation and creativity as urban phenomena, the internal spatial logic of metropolitan areas.

Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 557
Credit Weight: 3
Transcript Title: Rethinking Zoning
Calendar Title: Rethinking Zoning.
Description:
Zoning and land use planning, and their evolution within social, legal, economic and environmental contexts. The legacy, limitations and potential of zoning. The competing interests in planning of preserving neighbourhood character and accommodating growth. Zoning as a strategic point of negotiation between real estate capital and public goods. The use of inclusionary zoning and the up-zoning of low-density residential neighbourhoods to address affordable housing crises in Canadian and American cities. The practice, politics and potential of zoning towards housing justice.

Notes:
(3-0-6).

Administering Faculty: Faculty of Engineering
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 604
Credit Weight: 3
Transcript Title: Urban Design Seminar
Calendar Title: Urban Design Seminar.
Description:
Concepts and methods used in contemporary urban design: historical influences, epistemological debates, practical techniques, and philosophical concerns.

Notes:
(1-2-6)
Restriction: Not open to students who have taken or are taking ARCH 604.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning

Status (catalog level): Active

URBP 606D1
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: Formulate and develop a research question, methods and literature review for a thesis. Present the research proposal in a seminar format.
Notes: Students must register for both URBP 606D1 and URBP 606D2
No credit will be given for this course unless both URBP 606D1 and URBP 606D2 are successfully completed in consecutive terms
Restriction: Only open to students enrolled in the M.Sc. in Urban Planning, Policy and Design (Thesis).

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning

Status (catalog level): Active

URBP 606D2
Credit Weight: 3
Transcript Title: Research Seminar
Calendar Title: Research Seminar.
Description: See URBP 606D1 for description.
Notes: Prerequisite: URBP 606D1
No credit will be given for this course unless both URBP 606D1 and URBP 606D2 are successfully completed in consecutive terms
Only open to students enrolled in the M.Sc. in Urban Planning, Policy and Design (Thesis).

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning

Status (catalog level): Active

URBP 607
Credit Weight: 3
Transcript Title: Reading Course: Urban Planning
Calendar Title: Reading Course: Urban Planning.
Description: The Reading Course offers an opportunity to explore, under the supervision of a staff member, subject areas relevant to urban planning.
Notes:

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning

Status (catalog level): Active

URBP 607D1
Credit Weight: 1.5
Transcript Title: Reading Course: Urban Planning
Calendar Title: Reading Course: Urban Planning.
Description:
The Reading Course offers an opportunity to explore, under the supervision of a staff member, subject areas relevant to urban planning.

Notes:
Students must register for both URBP 607D1 and URBP 607D2
No credit will be given for this course unless both URBP 607D1 and URBP 607D2 are successfully completed in consecutive terms
URBP 607D1 and URBP 607D2 together are equivalent to URBP 607

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Inactive

URBP 607D2
Credit Weight: 1.5
Transcript Title: Reading Course: Urban Planning
Calendar Title: Reading Course: Urban Planning.
Description:
See URBP 607D1 for course description.

Notes:
Prerequisite: URBP 607D1
No credit will be given for this course unless both URBP 607D1 and URBP 607D2 are successfully completed in consecutive terms
URBP 607D1 and URBP 607D2 together are equivalent to URBP 607

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Inactive

URBP 608
Credit Weight: 3
Transcript Title: Advanced GIS Applications
Calendar Title: Advanced GIS Applications.
Description:
Introduces students to real-world geographic information systems (GIS) problems and enhances the mastering of the geographic information systems as a tool for solving complex urban planning problems. Students will analyze several planning research problems spatially and introduce solutions to these issues.

Notes:
Prerequisite (s): URBP 505 or permission of the instructor
Restriction (s): Open to graduate students in Urban Planning, Urban Design, Civil Engineering, Geography (or permission of instructor)

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 609
Credit Weight: 1
Transcript Title: Visual Communication 1
Calendar Title: Visual Communication 1.
Description:
Techniques used for visual communication in planning practice, including a basic introduction to software.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 610
Credit Weight: 1
Transcript Title: Visual Communication 2
Calendar Title: Visual Communication 2.
Description: Refinement of techniques used for visual communication in planning practice, including basic use of software.
Notes: Corequisites: URBP 609
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 611
Credit Weight: 1
Transcript Title: Data Vislzn for Planning
Calendar Title: Data Visualization for Planning.
Description: An introduction to data visualization for planning, using computer applications.
Notes: Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 612
Credit Weight: 3
Transcript Title: History & Theory of Planning
Calendar Title: History and Theory of Planning.
Description: A review of planning history and theories of planning. These are examined under three categories: explanation of urban phenomena, substantive theory, and theories of process.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 616
Credit Weight: 3
Transcript Title: Selected Topics 1
Calendar Title: Selected Topics 1.
Description: Special topics related to Urban Planning will be presented by staff and visiting lecturers.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 617
Credit Weight: 3
Transcript Title: Selected Topics 2
Calendar Title: Selected Topics 2.
Description: Special topics related to Urban Planning will be presented by staff and visiting lecturers.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 618
Credit Weight: 3
Transcript Title: Selected Topics 3
Calendar Title: Selected Topics 3.
Description:
Special topics related to Urban Planning will be presented by staff and visiting lecturers.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 619
Credit Weight: 4
Transcript Title: Land Use & Transport Planning
Calendar Title: Land Use and Transport Planning.
Description:
Analysis of transport and land use interactions in urban areas. Study of the impacts of transport systems on travel behaviour, residential and work location decisions, and urban form; discussion of implications for planning practice.
Notes:
Students must register for both URBP 619D1 and URBP 619D2
No credit will be given for this course unless both URBP 619D1 and URBP 619D2 are successfully completed in consecutive terms
URBP 619D1 and URBP 619D2 together are equivalent to URBP 619

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 619D1
Credit Weight: 2
Transcript Title: Land Use & Transport Planning
Calendar Title: Land Use and Transport Planning.
Description:
Analysis of transport and land use interactions in urban areas. Study of the impacts of transport systems on travel behaviour, residential and work location decisions, and urban form; discussion of implications for planning practice.
Notes:
Students must register for both URBP 619D1 and URBP 619D2
No credit will be given for this course unless both URBP 619D1 and URBP 619D2 are successfully completed in consecutive terms
URBP 619D1 and URBP 619D2 together are equivalent to URBP 619

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 619D2
Credit Weight: 2
Transcript Title: Land Use & Transport Planning
Calendar Title: Land Use and Transport Planning.
Description:
See URBP 619D1 for course description.
Notes:
Prerequisite: URBP 619D1
No credit will be given for this course unless both URBP 619D1 and URBP 619D2 are successfully completed in consecutive terms
URBP 619D1 and URBP 619D2 together are equivalent to URBP 619
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 620
Credit Weight: 4
Transcript Title: Transport Economics
Calendar Title: Transport Economics.
Description: Economic and financial aspects of urban transport policies and planning. Introduction to impact assessment techniques for major transport projects and policies; discussion of political debates concerning transport financing.
Notes: Prerequisite: An introductory course in microeconomics or permission of instructor.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 622
Credit Weight: 6
Transcript Title: Planning Studio 1
Calendar Title: Planning Studio 1.
Description: Introduction to planning practice based on real-world urban research and planning at the neighbourhood level. Topics: problem definition, methods for data collection and analysis, goal setting, design and analysis of alternative plans, public policy, plan implementation, and professional presentation techniques. Students work in interdisciplinary teams on assessments of current living conditions and on plans to improve them, including policies and projects related to housing, public space, infrastructure and services, and community development. Research and recommendations are presented in oral presentations and written reports.
Notes: Research and design studio.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 622D1
Credit Weight: 3
Transcript Title: Planning Studio 1
Calendar Title: Planning Studio 1.
Description: Introduction to planning practice based on real-world urban research and planning at the neighbourhood level. Topics: problem definition, methods for data collection and analysis, goal setting, design and analysis of alternative plans, public policy, plan implementation, and professional presentation techniques. Students work in interdisciplinary teams on assessments of current living conditions and on plans to improve them, including policies and projects related to housing, public space, infrastructure and services, and community development. Research and recommendations are presented in oral presentations and written reports.
Notes: Research and design studio.
Students must register for both URBP 622D1 and URBP 622D2
No credit will be given for this course unless both URBP 622D1 and URBP 622D2 are successfully completed in consecutive terms.

URBP 622D1 and URBP 622D2 together are equivalent to URBP 622.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Urban Planning

**Status (catalog level):** Active

### URBP 622D2

**Credit Weight:** 3

**Transcript Title:** Planning Studio 1

**Calendar Title:** Planning Studio 1.

**Description:**
For description see URBP 622D1.

**Notes:**
Prerequisite: URBP 622D1
No credit will be given for this course unless both URBP 622D1 and URBP 622D2 are successfully completed in consecutive terms.

URBP 622D1 and URBP 622D2 together are equivalent to URBP 622.

**Administering Faculty:** Graduate Studies

**Teaching Department:** Urban Planning

**Status (catalog level):** Active

### URBP 623

**Credit Weight:** 6

**Transcript Title:** Planning Studio 2

**Calendar Title:** Planning Studio 2.

**Description:**
Research and planning techniques for land development. Students work in teams to do research on context, program and precedents and develop a detailed plan for a site that poses urban and/or environmental challenges. Topics: site analysis, market analysis, and financial analysis; land-use regulation, real-estate development, residential planning, and housing policy; data collection and analysis, design and evaluation of alternatives, and project implementation.

**Notes:**
(1-5-12)
Prerequisite: URBP 622

**Administering Faculty:** Graduate Studies

**Teaching Department:** Urban Planning

**Status (catalog level):** Active

### URBP 624

**Credit Weight:** 6

**Transcript Title:** Planning Studio 3

**Calendar Title:** Planning Studio 3.

**Description:**
Exploration of complex planning problems at the local or regional scale, chosen depending on the experience and research interests of the participants, for the acquisition of research and planning skills in greater depth. Students work in teams to fulfill a mandate for a public, private or third-sector client. Substantive issues vary according to clients. Topics: project management, client-consultant interactions, and professional communication.

**Notes:**
(6-0-12)
Prerequisites: URBP 622 and URBP 623

**Administering Faculty:** Graduate Studies

**Teaching Department:** Urban Planning
Status (catalog level): Active

URBP 625
Credit Weight: 2
Transcript Title: Principles and Practice 2
Calendar Title: Principles and Practice 2.
Description:
This six-week intensive course exposes students to issues and techniques which are applicable in diverse professional planning contexts that vary in terms of their subject matter, location, scale and the role played by planners. The course focuses on a specific case study and is taught by a visiting lecturer with experience in the selected subject area. Course topics are systematically varied over a two-year cycle.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 626
Credit Weight: 2
Transcript Title: Principles and Practice 3
Calendar Title: Principles and Practice 3.
Description:
This six-week intensive course exposes students to issues and techniques that are applicable in diverse professional planning contexts. The subject matter, geographic area, scale of intervention and institutional location of planning vary from semester to semester. The course is taught by a visiting lecturer, adjunct professor or Ph.D. student.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 628
Credit Weight: 0
Transcript Title: Practical Experience
Calendar Title: Practical Experience.
Description:
An internship related to the practice of urban planning is required. The practical experience must be of at least 360 hours' duration and be supervised by a professional in the planning field. An evaluation of the student's performance by the supervisor, as well as a short report by the student, forms the basis for assessment.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 629
Credit Weight: 3
Transcript Title: Pln Thry&Prac in a GBlal World
Calendar Title: Planning Theory and Practice in a Globalizing World.
Description:
Planning theory, urban policy and planning practices in comparative perspective. Topics covered include: global and local processes shaping cities and urban challenges worldwide; contemporary planning theories, including those from the Global South; and the impacts of planning and governance on urban form, economic growth, ecological balance, and equity, among other urban challenges.
Notes:
(3-0-6)
Prerequisite: URBP 622 or permission of instructor.

Administering Faculty: Graduate Studies

Teaching Department: Urban Planning

Status (catalog level): Active

URBP 630
Credit Weight: 3
Transcript Title: Supervised Research Project 1
Calendar Title: Supervised Research Project 1.

Description:
Supervised research project, providing foundations to focus on a particular area of enquiry in planning.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 631
Credit Weight: 3
Transcript Title: Supervised Research Project 2
Calendar Title: Supervised Research Project 2.

Description:
Continuation of the requirements for the Supervised Research Project.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 632
Credit Weight: 6
Transcript Title: Supervised Research Project 3
Calendar Title: Supervised Research Project 3.

Description:
Continuation of the requirements for the Supervised Research Project.

Notes:
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 633
Credit Weight: 3
Transcript Title: Research Methods for Planners
Calendar Title: Research Methods for Planners.

Description:
An introduction to methods commonly used in urban research and planning practice. Topics include municipal information systems, fieldwork techniques, survey design and analysis, analysis of spatial and temporal patterns, and the evaluation of policies and plans.

Notes:
Priority given to Urban Planning Students
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active
URBP 634
Credit Weight: 3
Transcript Title: Planning Water Res in Barbados
Calendar Title: Planning Water Resources in Barbados.
Description:
Physical environment challenges faced by an island nation, with a focus on water resources. Private, government and NGO institutional context for conservation strategies. Water quantity and quality analyses for water management and planning specific to Barbados.
Notes:
Restrictions: Must be enrolled in Barbados Field Study Semester. Only open to graduate students in architecture and urban planning.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 635
Credit Weight: 3
Transcript Title: Planning Law
Calendar Title: Planning Law.
Description:
A comparative study of private and public control of land use and development, including master plans, zoning bylaws, subdivision control, urban redevelopment, expropriation, regional planning, environmental protection, and heritage conservation.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 640
Credit Weight: 1
Transcript Title: Introduction to Planning Stats
Calendar Title: Introduction to Planning Statistics.
Description:
Introduction to descriptive and inferential statistics, focusing on building confidence and intuition in using and manipulating quantitative information. Correlation, t-tests, chi-squared tests, and bivariate regression.
Notes:
Restriction: Not open to students who have taken URBP 642 prior to fall 2020.
Lectures held on Friday, Oct 1, 8, 22 and 29
Web add/drop deadline is October 1, 2021
Web withdrawal with refund deadline is October 8, 2021
Web withdrawal with NO refund deadline is October 22, 2021
Labs held on Friday, Oct 1, 8, 22 and 29
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 641
Credit Weight: 1
Transcript Title: Reading the Urban Landscape
Calendar Title: Reading the Urban Landscape.
Description:
An overview of selected passive techniques that may be used to assess the
congruence between urban environments and people as they go about their daily activities. These techniques include: (1) observing physical traces, (2) observing behaviour, (3) cognitive mapping and wayfinding, and (4) the assessment of the overall quality of urban environments.

Notes:
(1-0-2)
Web add/drop deadline is September 13, 2021
Web withdrawal with refund deadline is September 20, 2021
Web withdrawal with NO refund deadline is September 27, 2021

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 642
Credit Weight: 1
Transcript Title: Introduction to Planning Data
Calendar Title: Introduction to Planning Data.
Description:
Techniques of exploratory data analysis. Data cleaning and transformation. Visualization techniques. Census data and the methods most commonly used to analyze them. Principles of reproducible research.
Notes:
Lectures held on Friday, Sept 3, 10, 17 and 24.
Web add/drop deadline is September 3, 2021
Web withdrawal with refund deadline is September 10, 2021
Web withdrawal with NO refund deadline is September 17, 2021
Labs held on Friday, Sept 3, 10, 17 and 24.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 643
Credit Weight: 1
Transcript Title: Selected GIS Applications
Calendar Title: Selected Geographic Information Systems Applications
Description:
Selected applications in Geographic Information Systems (GIS) related to urban planning.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 644
Credit Weight: 1
Transcript Title: Multivariate Statistics
Calendar Title: Multivariate Statistics.
Description:
Methods in multivariate analysis, with an emphasis on multiple linear regression models. ANOVA (analysis of variance). Reading and analyzing multiple linear regression analysis results. Designing and running multiple linear regression models for hypothesis testing. Diagnostic tests and data clean up.
Notes:
Lectures held on Friday, Nov 5, 12, 19 and 26.
Web add/drop deadline is November 5, 2021
Web withdrawal with refund deadline is November 12, 2021
Web withdrawal with NO refund deadline is November 19, 2021
Labs held on Friday, Nov 5, 12, 19 and 26

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 645
Credit Weight: 1
Transcript Title: Social Research Methods 1
Calendar Title: Social Research Methods 1.
Description:
Selected social research techniques as applied in urban planning, including: the art and craft of interviewing; surveys and questionnaires; ethnography, participant observation and narrative analysis; participatory techniques.
Notes:
Lectures held on Tuesday, Sept 28, Oct 5, 19 and 26.
Web add/drop deadline is September 28, 2021
Web withdrawal with refund deadline is October 5, 2021
Web withdrawal with NO refund deadline is October 19, 2021

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 646
Credit Weight: 1
Transcript Title: Social Research Methods 2
Calendar Title: Social Research Methods 2.
Description:
Selected social research techniques as applied in urban planning, including: the art and craft of interviewing; surveys and questionnaires; ethnography, participant observation and narrative analysis; participatory techniques.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 647
Credit Weight: 1
Transcript Title: Selected Methods in Planning 1
Calendar Title: Selected Methods in Planning 1.
Description:
Special topics related to urban planning methods will be presented by staff and visiting lecturers.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 648
Credit Weight: 1
Transcript Title: Selected Methods in Planning 2
Calendar Title: Selected Methods in Planning 2.
Description:
Special topics related to urban planning methods will be presented by staff and visiting lecturers.

Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active
URBP 649
Credit Weight: 1
Transcript Title: Visual and Spatial Methods
Calendar Title: Visual and Spatial Methods.
Description: Topics related to visual and spatial methods in urban planning will be presented by staff and visiting lecturers.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 651
Credit Weight: 3
Transcript Title: Redesigning Suburban Space
Calendar Title: Redesigning Suburban Space.
Description: Planning and urban design strategies for transforming suburban and exurban settings in North America to meet contemporary needs. Critical approaches to responsible practice in existing cultural landscapes. Adaptive reuse of public space, intensification, densification, transit-oriented retrofit of urban form, community-based design development.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 656
Credit Weight: 3
Transcript Title: Urban Innovation & Creativity
Calendar Title: Urban Innovation and Creativity.
Description: Exploration of contemporary debates on creativity and innovation as inherently urban phenomena linked to interactions and 'buzz' that occur in urban contexts; discussion of policy impacts including how urban and metropolitan growth is premised upon the capacity to enhance creativity and innovation. Examination of what is meant by creativity and innovation, how they can be connected, and why they are seen as vital to economic development. Arguments for and critiques of 'creative cities' and 'innovative urban areas'. Creative class, geography of innovation, culture and urban development, metropolitan creative-city policies, geographic paradoxes that arise.
Notes: Restriction(s): Not open to students who have taken URBP 618 in Winter 2014 (when topic was "Creative Cities: Creativity, Innovation and Urban Agglomerations".
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 690
Credit Weight: 18
Transcript Title: Thesis Submission
Calendar Title: Thesis Submission.
Description: Only open to students enrolled in the M.Sc. Urban Planning, Policy and Design (Thesis).
Notes: Prerequisite: URBP 606
Only open to students enrolled in the M.Sc. Urban Planning, Policy and Design (Thesis).

**Administering Faculty:** Graduate Studies  
**Teaching Department:** Urban Planning  
**Status (catalog level):** Active

**URBP 701**  
**Credit Weight:** 0  
**Transcript Title:** Doctoral Comprehensive Exam  
**Calendar Title:** Doctoral Comprehensive Examination.  
**Description:** Presentation of comprehensive review papers covering material central to the student's dissertation research, with an oral defense before an Advisory Committee.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Urban Planning  
**Status (catalog level):** Active

**URBP 703**  
**Credit Weight:** 3  
**Transcript Title:** Doctoral Research Seminar 1  
**Calendar Title:** Doctoral Research Seminar 1.  
**Description:** Exploration of concepts and methods pertinent to the development of the dissertation project proposal and comprehensive exam reading list.  
**Notes:** Not open to students who have taken URBP 702.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Urban Planning  
**Status (catalog level):** Active

**URBP 704**  
**Credit Weight:** 3  
**Transcript Title:** Doctoral Research Seminar 2  
**Calendar Title:** Doctoral Research Seminar 2.  
**Description:** Discussion of selected topics in theory and methodology with continued development of dissertation project proposal and comprehensive exam reading list.  
**Notes:** Prerequisite: URBP 703  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Urban Planning  
**Status (catalog level):** Active

**URBP 707**  
**Credit Weight:** 3  
**Transcript Title:** Doctoral Reading Course  
**Calendar Title:** Doctoral Reading Course.  
**Description:** Exploration of a specific topic relevant to the student's doctoral program under the supervision of a faculty member.  
**Administering Faculty:** Graduate Studies  
**Teaching Department:** Urban Planning  
**Status (catalog level):** Active

**URBP 708D1**
Credit Weight: 0
Transcript Title: Doctoral Research Forum
Calendar Title: Doctoral Research Forum.
Description:
Presentation of research update each semester in residence up to completion of the research proposal (URBP 710).
Notes:
Prerequisite(s): URBP 704
Students must register for both URBP 708D1 and URBP 708D2.
No credit will be given for this course unless both URBP 708D1 and URBP 708D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 708D2
Credit Weight: 0
Transcript Title: Doctoral Research Forum
Calendar Title: Doctoral Research Forum.
Description:
Presentation of research update each semester in residence up to completion of the research proposal (URBP 710).
Notes:
Prerequisite(s): URBP 708D1.
Students must register for both URBP 708D1 and URBP 708D2.
No credit will be given for this course unless both URBP 708D1 and URBP 708D2 are successfully completed in consecutive terms.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active

URBP 709
Credit Weight: 0
Transcript Title: Doctoral Research Proposal
Calendar Title: Doctoral Research Proposal.
Description:
Preparation of a detailed dissertation research proposal, with an oral defense before an Advisory Committee.
Notes:
Prerequisite: URBP 701
Restriction(s): Not open to students who have taken URBP 705.
Administering Faculty: Graduate Studies
Teaching Department: Urban Planning
Status (catalog level): Active
WCOM 150
Credit Weight: 3
Transcript Title: Critical Analysis&Composition
Calendar Title: Critical Analysis and Composition.
Description:
Notes:
Prerequisite(s): Permission of the Centre.
Restriction: Not open to students who have taken CEAP 150.
Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 202
Credit Weight: 3
Transcript Title: Communication in Management 1
Calendar Title: Communication in Management 1.
Description:
Written and oral communication in Management (in English): emphasis on strategies for identifying, analyzing, and solving writing and speaking problems. Course work based on academic and professional communication in management.
Notes:
Restriction: Not open to students who have taken CCOM 205.
Because this course uses a workshop format, attendance at first class is desirable.
Continuing Studies: requirement for the EA, AAC, and the Canadian Institute of Management.
Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 203
Credit Weight: 3
Transcript Title: Intro to Creative Writing
Calendar Title: Introduction to Creative Writing.
Description:
Production of original creative works in English. Study and application of writing techniques and craft elements observed in both traditional and contemporary forms, ranging from poetic forms such as the sonnet, the villanelle, and free verse, to short fiction forms such as the short story and the vignette, to hybrid forms such as prose poetry and flash fiction. Craft, analysis of literary texts, workshop-style critique, and multiple drafts.
Notes:
Restriction: Not open to students who have taken CCOM 200.
Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 206
Credit Weight: 3
Transcript Title: Communication in Engineering
Calendar Title: Communication in Engineering.
Description:
Written and oral communication in Engineering (in English): strategies for generating, developing, organizing, and presenting ideas in a technical setting; problem-solving; communicating to different audiences; editing and revising; and public speaking. Course work based on academic, technical, and professional writing in engineering.

Notes:
Restriction: Not open to students who have taken CCOM 206. Only open to students in degree programs.
Limited enrolment.
Because this course uses a workshop format, attendance at first class is desirable.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 225
Credit Weight: 3
Transcript Title: ESL: Academic English 1
Calendar Title: ESL: Academic English 1.
Description:
Academic writing skills and communicative competence in English at the intermediate level: sentence structure; formal paragraphs; cohesion devices; short essays. Independent learning strategies for note-taking, vocabulary building, grammar, editing techniques, structuring an oral presentation, and improving pronunciation.

Notes:
Restriction: Not open to students who have taken CESL 200. Open only to students in degree programs.
Prerequisite: Placement test.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 235
Credit Weight: 3
Transcript Title: ESL: Academic English 2
Calendar Title: ESL: Academic English 2.
Description:
Academic writing skills and communicative competence in English at the mid-intermediate level. Organizational structures and conventions for academic essays; expressing complex ideas effectively; documenting sources; writing cohesive paragraphs. Independent learning strategies for vocabulary building, grammar, editing techniques, critical thinking and reading skills. Fundamentals of oral presentation, including pronunciation skills.

Notes:
Prerequisites: CESL 200 or WCOM 225 or placement test.
Restriction: Not open to students who have taken CESL 300. Only open to students in degree programs.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 245
Credit Weight: 3
Transcript Title: ESL: Essay & Critical Thinking
Calendar Title: ESL: Essay and Critical Thinking.
Description:
Academic writing skills and communicative competence in English at the upper-intermediate level. Critical thinking and reading applied to the whole writing process. Focus on integrating sources, creating effective arguments, and understanding essay structure and paragraph essentials. Academic genres: summary, paraphrase, quotation, and critique. Review of writing mechanics and grammar.

Notes:
Prerequisites: CESL 300 or WCOM 235 or placement test.
Restriction: Not open to students who have taken CESL 400. Only open to students in degree programs.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 250
Credit Weight: 3
Transcript Title: Research Essay and Rhetoric
Calendar Title: Research Essay and Rhetoric.
Description:
Academic research-based writing across the disciplines. Article summary, critical analysis, rhetorical strategies, citation and paraphrase of academic sources, and editing for cohesion and clarity.

Notes:
Restriction: Not open to students who have taken CESL 500 or CEAP 250 or WCOM 255. Only open to students in degree programs - all years and faculties. Intended for students whose first language is English.
Entrance test: Short essay first day of classes.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 255
Credit Weight: 3
Transcript Title: ESL: Research Essay & Rhetoric
Calendar Title: ESL: Research Essay and Rhetoric.
Description:
Principles and use of academic research skills to generate academic writing at an advanced level of English across the disciplines. Focus on article summary, critical analysis, and logical reasoning to develop sound arguments and well-reasoned essays. Common rhetorical strategies, citation and paraphrase of academic sources, and editing skills to enhance cohesion and avoid common English-as-a-Second Language (ESL) errors in grammar, syntax, and vocabulary.

Notes:
Prerequisites: CESL 400 or WCOM 245 or placement test.
Restriction: Not open to students who have taken CEAP 250 or CESL 500. Only open to students in degree programs.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 295
Credit Weight: 3
Transcript Title: ESL: Academic Skills
Calendar Title: ESL: Academic Skills.
Description:
The university classroom: note-taking and summary of lectures; paraphrase and
summary of written and multimedia materials; oral and seminar presentations. Critical thinking, reading, writing, listening, and speaking skills and strategies. Exigences des cours universitaires: prendre des notes, faire des exposés oraux, résumer (cours magistraux, documents oraux, écrits et multimédias). Raisonnement critique, lectures, écoutes, rédactions, habiletés et stratégies de communication.

Notes:
Restriction: Only open to students whose first language is not English and who are newly admitted at McGill (into Year 0 or Year 1) to a Bachelor program in the following fall. The course is designed to assist these new students to integrate into the English language milieu at McGill.
Restriction: Ce cours s'adresse aux étudiants dont la langue maternelle n'est pas l'anglais et qui sont nouvellement admis (en première année préparatoire - niveau U0 ou première année d'études universitaires - niveau U1) à McGill à un programme de 1er cycle à l'automne suivant. Il est conçu pour faciliter leur intégration dans le milieu anglophone de McGill.
Restriction: Not open to students who have taken CESL 299.
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the fourth lecture day.
Although this course follows a MTWR class schedule pattern, the last day of class may be on a Friday.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 300
Credit Weight: 3
Transcript Title: Writing and Community Action
Calendar Title: Writing and Community Action.
Description:
Exploration of the relationship between experiential writing and community engagement. Instruction in and application of principles of writing pedagogy (in English) and best practices in community leadership.
Notes:
Not open to students who have taken CCOM 300.
On-site facilitation (1.5 hours per week) of small-group writing events at community organizations and associations.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 313
Credit Weight: 3
Transcript Title: Writing Poetry
Calendar Title: Writing Poetry.
Description:
Production of original works of literary poetry in English. Advanced study and application of writing techniques, craft elements, poetic approaches and formal considerations used in contemporary free verse. In-depth instruction in the nuanced use of sound, line, image, rhythm, figurative language, and form. Craft, analysis of modern and contemporary literary poems, workshop-style critique, multiple drafts, and substantive revision.
Notes:
Prerequisites CCOM 200 or WCOM 203 or permission of the Centre.
Restriction: Not open to students who have taken CCOM 321.
Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 314
Credit Weight: 3
Transcript Title: Communicating Science
Calendar Title: Communicating Science.
Description:
Production of written and oral assignments (in English) designed to communicate scientific problems and findings to varied audiences. Analysis of the disciplinary conventions of scientific discourse in terms of audience, purpose, organization, and style; comparative rhetorical analysis of academic and popular genres, including abstracts, lab reports, research papers, print and online journalism.
Notes:
Restriction: Not open to students who have taken CCOM 314.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 317
Credit Weight: 3
Transcript Title: Writing the Internet
Calendar Title: Writing the Internet.
Description:
Critical assessment of digital genres in terms of audience, purpose, organization, and style; application of rhetorical strategies for effective communication in digital contexts in English. Topics and readings derived from writing pedagogy and critical analyses of online environments: technological affordances, non-linear structure, "living" texts, online identity, network dynamics, authorial collaboration.
Notes:
Not open to students who have taken CCOM 315.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 323
Credit Weight: 3
Transcript Title: Writing Short Fiction
Calendar Title: Writing Short Fiction.
Description:
Production of original works of literary short fiction in English. Advanced study and application of written storytelling techniques and craft elements used in contemporary short fiction forms, with a main focus on the short story. In-depth instruction in the nuanced creation of character, dialogue, scene, setting, point of view, narrative distance, and structure. Craft, analysis of published literary short fiction, workshop style critique, multiple drafts, and substantive revision.
Notes:
Prerequisites: CCOM 200 or WCOM 203 or permission of the Centre.
Restriction: Not open to students who have taken CCOM 322.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 333
Credit Weight: 3
Transcript Title: Writing Creative Nonfiction
Calendar Title: Writing Creative Nonfiction.
Description:
Production of original works of literary creative nonfiction in English. Advanced study and application of story telling techniques and craft elements used in forms such as the memoir essay, literary journalism, and the lyric essay. In depth instruction in the nuanced use of structure, scene, narration, reflection, description, and researched information. Craft, analysis of published literary creative nonfiction essays, workshop-style critique, multiple drafts, and substantive revision.

Notes:
Prerequisites: CCOM 200 or WCOM 203 or permission of the Centre.
Restriction: Not open to students who have taken CCOM 323.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 371
Credit Weight: 3
Transcript Title: Selected Communication Topic 1
Calendar Title: Selected Communication Topic 1.
Description:
Study of a selected topic in written and/or oral communication in English that is relevant to undergraduate students.

Notes:
The content can vary from year to year and will be announced prior to registration.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 372
Credit Weight: 3
Transcript Title: Selected Communication Topic 2
Calendar Title: Selected Communication Topic 2.
Description:
Study of a selected topic in written and/or oral communication in English that is relevant to undergraduate students.

Notes:
The content can vary from year to year and will be announced prior to registration.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 414
Credit Weight: 3
Transcript Title: Advanced Communicating Science
Calendar Title: Advanced Communicating Science.
Description:
Use of digital platforms to produce written and oral assignments (in English) designed to communicate scientific challenges and findings to broad audiences.
Rhetorical analysis of academic and popular genres including abstracts, researcher profiles, infographics, and serial and episodic podcasting.

Notes:
Prerequisite: CCOM 314 or WCOM 314 or permission of the Centre.
Restriction: Not open to students who have taken CCOM 414.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 550
Credit Weight: 3
Transcript Title: Business & Profess. Communctn
Calendar Title: Business and Professional Communication.
Description:
Written and oral communication skills in English for business and professional purposes. Concepts and principles of effective written communication. Planning, composing, editing, and polishing documents of various lengths and formats; conventions of workplace correspondence; direct and indirect approaches to workplace messages; composing routine, persuasive, positive, and negative messages; planning and delivering effective presentations, including creating effective visuals.

Notes:
Restriction: Not open to students who have taken CCOM 550 or CESL 525; not open to students who have taken or are taking WCOM 555. Open to graduate students, and to undergraduate students in third or fourth year.
WCOM 550 is designed for students with fluency in spoken and written English. Students for whom English is a second or additional language should take WCOM 555.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 555
Credit Weight: 3
Transcript Title: ESL: Business & Prof Communctn
Calendar Title: ESL: Business and Professional Communication.
Description:
Written and oral communication skills for business and professional purposes for students whose first language is not English. Concepts and principles of effective written communication. Planning, composing, editing, and polishing documents of various lengths and formats; conventions of workplace correspondence; direct and indirect approaches to workplace messages; composing routine, persuasive, positive, and negative messages; planning and delivering effective presentations, including creating effective visuals; strategies to address common English as Second Language (ESL) errors in grammar, syntax, and vocabulary.

Notes:
Restriction: Open to graduate students, and to undergraduate students in third or fourth year. McGill Writing Centre ESL Placement Test required for admission. Not open to students who have taken CCOM 550 or CESL 525; not open to students who have taken or are taking WCOM 550.
WCOM 555 is designed for students for whom English is a second or additional language. Students whose first language is English should take WCOM 550.

Administering Faculty: Faculty of Arts
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 614
Credit Weight: 1
Transcript Title: CommunicatingSci to the Public
**Calendar Title:** Communicating Science to the Public.

**Description:**
Production of written and oral assignments designed to communicate scientific problems and findings to varied audiences in English. Analysis of the disciplinary conventions of scientific discourse in terms of audience, purpose, organization, and style; comparative rhetorical analysis of academic and popular genres.

**Notes:**
Not open to students who have taken CCOM 614.

**Administering Faculty:** Graduate Studies

**Teaching Department:** McGill Writing Centre

**Status (catalog level):** Active

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**WCOM 617**

**Credit Weight:** 1

**Transcript Title:** Commnctng Sci to the Digtl Pub

**Calendar Title:** Communicating Science to the Digital Public.

**Description:**
Using digital media, production of written and oral assignments designed to communicate scientific challenges and findings to varies audiences (in English). Creation of projects, including lay audience abstracts, Wikipedia edits, researcher profiles, explainers, data infographics, and podcasts.

**Notes:**
Restriction: Not open to students who have taken CCOM 615.

**Administering Faculty:** Graduate Studies

**Teaching Department:** McGill Writing Centre

**Status (catalog level):** Active

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**WCOM 635**

**Credit Weight:** 1

**Transcript Title:** ESL: Strats for Acad Communctn

**Calendar Title:** ESL: Strategies for Academic Communication.

**Description:**
Key language learning strategies for expressing complex ideas in academic writing across the disciplines. Corpus tools to identify collocations; strategies to build productive scholarly vocabulary; self-editing techniques to avoid common English-as-Second-Language (ESL) errors in grammar, syntax and mechanics.

**Notes:**
Restriction: Not open to students who have taken CESL 631.

Intended for graduate students whose first language is not English.

Grading in this course is pass/fail.

Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.

**Administering Faculty:** Graduate Studies

**Teaching Department:** McGill Writing Centre

**Status (catalog level):** Active

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**WCOM 642**

**Credit Weight:** 1

**Transcript Title:** Cornerstones of Acad Writing

**Calendar Title:** Cornerstones of Academic Writing.

**Description:**
Key strategies for scholarly communication across disciplines: reading scholarly texts for structure; applying these structures in writing assignments. Four cornerstones of academic writing: audience, purpose, organization, and style. Identifying and targeting audiences, clarifying the purposes served by different writing projects, organizing ideas, and developing mastery of rhetorical and
stylistic conventions.

Notes:
Restriction: Not open to students who have taken CEAP 642. Only open to graduate students.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.
Grading in this course is pass/fail.

Administering Faculty: Graduate Studies
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 645
Credit Weight: 1
Transcript Title: ESL: Fundamentals of Academic Writing
Calendar Title: ESL: Fundamentals of Academic Writing.
Description:
Key strategies for academic writing across disciplines: reading scholarly texts for structure; applying these structures in writing assignments; developing vocabulary building strategies; identifying and practicing nuances of scholarly English syntax. Self-editing techniques to avoid common English-as-Second-Language (ESL) errors; review of English grammar and mechanics.
Notes:
Restriction: Not open to students who have taken CESL 641.
Intended for graduate students whose first language is not English.
Grading in course is pass/fail.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.

Administering Faculty: Graduate Studies
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 652
Credit Weight: 1
Transcript Title: Fundamentals of Academic Presentations
Calendar Title: Fundamentals of Academic Presentations.
Description:
Developing and delivering academic presentations, with emphasis on how to structure content, critically evaluate content, and use rhetorical devices to enhance clarity.
Notes:
Restriction: Not open to students who have taken CEAP 652.
Intended for graduate students.
Grading in this course is pass/fail.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.

Administering Faculty: Graduate Studies
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 655
Credit Weight: 1
Transcript Title: ESL: Pronunciation for Effective Communication
Calendar Title: ESL: Pronunciation for Effective Communication.
Description:
Pronunciation skills for effective communication in English about research and complex ideas in academic settings with emphasis on features of pronunciation that most affect intelligibility.
Notes:
Restriction: Not open to students who have taken CESL 651.
Intended for graduate students whose first language is not English.
Grading in this course is pass/fail.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.
Administering Faculty: Graduate Studies
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 661
Credit Weight: 1
Transcript Title: Lit Rev 1: Summary & Critique
Calendar Title: Literature Review 1: Summary and Critique.
Description:
Responsible and effective engagement with other scholars' work in order to summarize and critique research literature. Focus on economic use of language and techniques for mobilizing existing scholarship in service of an original research project.
Notes:
Restriction: Not open to students who have taken CEAP 661.
Grading in this course is pass/fail.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.
Administering Faculty: Graduate Studies
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 662
Credit Weight: 1
Transcript Title: Lit Rev 2: Estab Schol Niches
Calendar Title: Literature Review 2: Establishing Scholarly Niches.
Description:
Situating original student research in existing scholarship through analysis of literature in a discipline; application of techniques for framing contributions.
Notes:
Restriction: Not open to students who have taken CEAP 665.
Grading in this course is pass/fail.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.
Administering Faculty: Graduate Studies
Teaching Department: McGill Writing Centre
Status (catalog level): Active

WCOM 671
Credit Weight: 1
Transcript Title: Selected Topics in Communctn 1
Calendar Title: Selected Topics in Communication 1.
Description:
Study of a selected topic in written and/or oral communication relevant to postgraduates. The content can vary from year to year and will be announced prior to registration.
Notes:
Grading in this course is pass/fail.
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.
Administering Faculty: Graduate Studies  
Teaching Department: McGill Writing Centre  
Status (catalog level): Active

**WCOM 672**
Credit Weight: 1  
Transcript Title: Selected Topics in Communication 2  
Calendar Title: Selected Topics in Communication 2.  
Description: Study of a selected topic in written and/or oral communication relevant to postgraduates. The content can vary from year to year and will be announced prior to registration.  
Notes: Grading in this course is pass/fail.  
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.

**WCOM 676**  
Credit Weight: 1  
Transcript Title: Thesis Writing Lab  
Calendar Title: Thesis Writing Lab.  
Description: Writing and revising of a chapter or manuscript for structure, clarity, cohesion, and disciplinary conventions; practical strategies for writing and rewriting productively; techniques for organizing ideas and editing for flow; in-class writing labs and exercises; peer review; and instructor audio feedback.  
Notes: Prerequisite: Permission of the course coordinator.  
Grading in this course is pass/fail.  
Due to the condensed nature of this course, the standard add/drop and withdrawal deadlines do not apply.  
For graduate students from related disciplines who are working on a thesis chapter or publishable manuscript.

**WCOM 690**  
Credit Weight: 3  
Transcript Title: Writing for Graduate Students  
Calendar Title: Writing for Graduate Students.  
Description: Audience, purpose, organization, and style of graduate-level academic writing with attention to mechanics, textual analysis, critical thinking and editing skills. Common rhetorical patterns to organize research writing, including problem-solution, general-specific, process description, data commentary, article summary/critique.  
Notes: Restriction: Not open to students who have taken CESL 690.
WCOM 695

Credit Weight: 3

Transcript Title: ESL: Acad Writ for Grad Studts

Calendar Title: ESL: Academic Writing for Graduate Students.

Description:
Structuring an academic paper and expressing complex ideas in English using common rhetorical patterns. Academic reading, critical thinking, vocabulary building, and writing mechanics. Self-editing to enhance cohesion and avoid common English-as-a-Second Language (ESL) errors in grammar, syntax, and vocabulary.

Notes:
Open only to graduate students in degree programs for whom English is not their first language. Not open to students who have taken CESL 640. This course cannot be counted towards course requirements of any graduate program.

Administering Faculty: Graduate Studies

Teaching Department: McGill Writing Centre

Status (catalog level): Active
WILD 302
Credit Weight: 3
Transcript Title: Fish Ecology
Calendar Title: Fish Ecology.
Description: Introduction to the biology and ecology of freshwater and marine fishes. Topics include taxonomy, physiology, biogeography, competition, predation, fishing, and conservation. Lab exercises and field trips emphasize familiarity with local fishes and their ecological interactions.
Notes: Prerequisite: AEBI 211 or permission of instructor
This course carries an additional charge of $39.87 to cover the cost of transportation (bus rental) for local field trips. The fee is only refundable prior to the deadline to withdraw with full refund
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 307
Credit Weight: 3
Transcript Title: Natural History of Vertebrates
Calendar Title: Natural History of Vertebrates.
Description: The diversity and natural history of Canadian vertebrates illustrated with trophic, phylogenetic, and macroecological approaches.
Notes: This course carries an additional charge of 19.94 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 350
Credit Weight: 3
Transcript Title: Mammalogy
Calendar Title: Mammalogy.
Description: This course focuses on the evolution, classification, ecology and behaviour of mammals and relations between humans and mammals. Also structure, systematics and identification of local and world mammals, as well as field methods will be emphasized.
Notes: Prerequisites: AEBI 211 and WILD 307
An additional fee of 19.07 is charged to all students registered in WILD 350, Mammalogy, a course that has a required field trip.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 375
Credit Weight: 3
Transcript Title: Issues: Environmental Sciences
Calendar Title: Issues: Environmental Sciences.
Description: Principles and trends in global ecology as they pertain to agricultural and natural ecosystems and the impact of environmental change on food production.
Notes:
Winter
3 lectures

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 401
Credit Weight: 3
Transcript Title: Fisheries & Wildlife Management
Calendar Title: Fisheries and Wildlife Management.
Description:
Principles of fisheries and wildlife management are considered and current practices of research and management are discussed.
Notes:
Prerequisite: WILD 307 or permission of instructor
A fee is charged to all students registered in WILD 401, Fisheries and Wildlife Management, a course that has a required field trip. This fee is used to support the cost of excursions, accommodations, food and fees associated with visiting research facilities where final projects are devised, and data are collected in the field (e.g., at the SUNY-ESF Adirondaks Ecological Center in Newcomb, New York). The Department of Natural Resource Sciences subsidizes a portion of the cost of this compulsory activity.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 420
Credit Weight: 3
Transcript Title: Ornithology
Calendar Title: Ornithology.
Description:
Taxonomic relationships and evolution of birds. Examination of the physiology, migration, identification and ecological processes of North American birds.
Notes:
Prerequisite: WILD 307 or permission of instructor
This course carries an additional charge of 19.94 to cover the cost of transportation (bus rental) for local field trips. The fee is refundable only during the withdrawal with full refund period.

Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 421
Credit Weight: 3
Transcript Title: Wildlife Conservation
Calendar Title: Wildlife Conservation.
Description:
Study of current controversial issues focusing on wildlife conservation. Topics include: animal rights, exotic species, ecotourism, urban wildlife, multi-use of national parks, harvesting of wildlife, biological controls, and endangered species.
Notes:
Winter
3 lectures
Restriction: Not open to students who have taken NRSC 421.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active

WILD 475
Credit Weight: 3
Transcript Title: Desert Ecology
Calendar Title: Desert Ecology.
Description: A three week field course exploring relationships between climate, geology, landforms, biodiversity, biotic adaptations and ecosystem conditions in the arid regions of Arizona and southern California. Focus is on the Sonoran and Mojave deserts but includes the transitions to adjacent grassland and forest biomes of the Sky Islands and Colorado Plateau. Exploration of issues arising from human use of land and water, and conservation in arid environments. Experiential learning involving team and individual projects and assignments before and during the field trip.
Symbols: ALTY - Taught in alternate years
Notes: Odd-numbered Winter terms; enrollment limited to 20.
The course begins and ends in Phoenix AZ. Students are responsible for their transportation to/from Phoenix.
The course requires camping and living under desert conditions.
Restriction(s): Restricted to U2 and U3 students.
Prerequisite(s): Permission of the instructors is required to register. To be eligible students are required to have at least one systems-focused course, one ecology course and two organismal courses. Students should consult the instructors for list of appropriate courses.
A course fee of $1,596.23 covers the cost of transportation, camping, admissions and most meals during the field trip.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
WMST 601
Credit Weight: 3
Transcript Title: Feminist Theories and Methods
Calendar Title: Feminist Theories and Methods.
Description: Examination of feminist theories and research methods from a variety of disciplinary perspectives.
Administering Faculty: Graduate Studies
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

WMST 602
Credit Weight: 3
Transcript Title: Feminist Research Symposium
Calendar Title: Feminist Research Symposium.
Description: Discussion and development of participants' research in gender and women's studies.
Notes: Prerequisite: WMST 601.
Restriction: Must be enrolled in the Option in Gender and Women's Studies.
Administering Faculty: Graduate Studies
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

WMST 610
Credit Weight: 3
Transcript Title: Current Topics 1
Calendar Title: Current Topics 1.
Description: Consideration of contemporary issues in gender, sexuality, feminist, and social justice studies. Topic and approach will vary from year to year.
Administering Faculty: Graduate Studies
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active

WMST 620
Credit Weight: 3
Transcript Title: Current Topics 2
Calendar Title: Current Topics 2.
Description: Consideration of contemporary issues in gender, sexuality, feminist, and social justice studies. Topic and approach will vary from year to year.
Administering Faculty: Graduate Studies
Teaching Department: Inst for Gender, Sex & Fem St
Status (catalog level): Active
WOOD 441
Credit Weight: 3
Transcript Title: Integrated Forest Management
Calendar Title: Integrated Forest Management.
Description:
The study of silviculture and silvics and their application to forest management to sustain the production of wood and other ecological goods and services such as wildlife, water and landscape in natural forests and rural environments (agroforestry). Acquisition of practical skills in forest surveying and computer simulation of forest growth.
Notes:
Winter
3 lectures and one 3-hour lab
Prerequisite(s): ENVB 210 or ENVB 222 or ENVN 202, or permission of instructor.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Natural Resource Sciences
Status (catalog level): Active
WRIT 001D1
Credit Weight: 3
Transcript Title: Editor-in-Chief 2
Calendar Title: Editor-in-Chief 2.
Description:
McGill Law Journal Editor-in-Chief.
Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 001D1 and WRIT 001D2.
No credit will be given for this course unless both WRIT 001D1 and WRIT 001D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 002D1
Credit Weight: 2.5
Transcript Title: Executive Editor 2
Calendar Title: Executive Editor 2.
Description:
McGill Law Journal Executive Editor.
Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 002D1 and WRIT 002D2.
No credit will be given for this course unless both WRIT 002D1 and WRIT 002D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 002D2
Credit Weight: 2.5
Transcript Title: Executive Editor 2
Calendar Title: Executive Editor 2.
Description:
See WRIT 002D1 for course description.
Notes:
Prerequisite: WRIT 002D1
No credit will be given for this course unless both WRIT 002D1 and WRIT 002D2 are successfully completed in consecutive terms
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
Status (catalog level): Active

WRIT 003D1
Credit Weight: 3
Transcript Title: Managing Editor 2
Calendar Title: Managing Editor 2.
Description: McGill Law Journal Editor.
Notes: Restriction: Faculty approval required.
Students must register for both WRIT 003D1 and WRIT 003D2.
No credit will be given for this course unless both WRIT 003D1 and WRIT 003D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 003D2
Credit Weight: 3
Transcript Title: Managing Editor 2
Calendar Title: Managing Editor 2.
Description: See WRIT 003D1 for course description.
Notes: Prerequisite: WRIT 003D1
No credit will be given for this course unless both WRIT 003D1 and WRIT 003D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 004
Credit Weight: 3
Transcript Title: Senior Editor 2
Calendar Title: Senior Editor 2.
Description: McGill Law Journal Senior Editor.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 004D1
Credit Weight: 1.5
Transcript Title: Senior Editor 2
Calendar Title: Senior Editor 2.
Description: McGill Law Journal Senior Editor.
Notes: Restriction: Faculty approval required.
Students must register for both WRIT 004D1 and WRIT 004D2.
No credit will be given for this course unless both WRIT 004D1 and WRIT 004D2 are successfully completed in consecutive terms
MLJ.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
WRIT 004D2
Credit Weight: 1.5
Transcript Title: Senior Editor 2
Calendar Title: Senior Editor 2.
Description: See WRIT 004D1 for course description.
Notes: Prerequisite: WRIT 004D1
No credit will be given for this course unless both WRIT 004D1 and WRIT 004D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 005
Credit Weight: 2
Transcript Title: Senior Manager
Calendar Title: Senior Manager.
Description: Senior manager of a McGill law journal.
Notes: Restriction: Faculty approval is required.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 005D1
Credit Weight: 1
Transcript Title: Senior Manager
Calendar Title: Senior Manager.
Description: Senior manager of a McGill law journal.
Notes: Restriction: Faculty approval is required.
Students must register for both WRIT 005D1 and WRIT 005D2.
No credit will be given for this course unless both WRIT 005D1 and WRIT 005D2 are successfully completed in consecutive terms
MJLH JSDL MJL MJD.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 005D2
Credit Weight: 1
Transcript Title: Senior Manager
Calendar Title: Senior Manager.
Description: See WRIT 005D1 for course description.
Notes: Prerequisite: WRIT 005D1
No credit will be given for this course unless both WRIT 005D1 and WRIT 005D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
WRIT 009D1
Credit Weight: 2
Transcript Title: Specialized Editor 2
Calendar Title: Specialized Editor 2.
Description:
McGill Law Journal Case Comments Editor.
Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 009D1 and WRIT 009D2.
No credit will be given for this course unless both WRIT 009D1 and WRIT 009D2 are successfully completed in consecutive terms
MLJ
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 009D2
Credit Weight: 2
Transcript Title: Specialized Editor 2
Calendar Title: Specialized Editor 2.
Description:
See WRIT 009D1 for course description.
Notes:
Prerequisite: WRIT 009D1
No credit will be given for this course unless both WRIT 009D1 and WRIT 009D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 010D1
Credit Weight: 1
Transcript Title: Junior Manager
Calendar Title: Junior Manager.
Description:
McGill Law Journal Book Reviews Editor.
Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 010D1 and WRIT 010D2.
No credit will be given for this course unless both WRIT 010D1 and WRIT 010D2 are successfully completed in consecutive terms
MLJ.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 010D2
Credit Weight: 1
Transcript Title: Junior Manager
Calendar Title: Junior Manager.
Description:
See WRIT 010D1 for course description.
Notes:
Prerequisite: WRIT 010D1
No credit will be given for this course unless both WRIT 010D1 and WRIT 010D2 are
successfully completed in consecutive terms

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**WRIT 011D1**

**Credit Weight:** 1.5

**Transcript Title:** Junior Editor

**Calendar Title:** Junior Editor.

**Description:**
Junior editor of a McGill law journal.

**Notes:**
Restriction: Faculty approval required.
Students must register for both WRIT 011D1 and WRIT 011D2.
No credit will be given for this course unless both WRIT 011D1 and WRIT 011D2 are successfully completed in consecutive terms

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**MLJ**

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**WRIT 011D2**

**Credit Weight:** 1.5

**Transcript Title:** Junior Editor

**Calendar Title:** Junior Editor.

**Description:**
See WRIT 011D1 for course description.

**Notes:**
Prerequisite: WRIT 011D1
No credit will be given for this course unless both WRIT 011D1 and WRIT 011D2 are successfully completed in consecutive terms

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**WRIT 016D1**

**Credit Weight:** 2

**Transcript Title:** Legal Methodology Teaching 1

**Calendar Title:** Legal Methodology Teaching 1.

**Description:**
A course in which, under the supervision of a Faculty member, the student reviews the fundamental components of legal research and advocacy, and participates in the design and administration of exercises to impart to first year law students those components in the course Introductory Legal Research.

**Notes:**
Prerequisite: four full-time terms in Law
Restriction: not open to students who have taken WRIT 017D1 and WRIT 017D2
Students must register for both WRIT 016D1 and WRIT 016D2.
No credit will be given for this course unless both WRIT 016D1 and WRIT 016D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**WRIT 016D2**

**Credit Weight:** 2

**Transcript Title:** Legal Methodology Teaching 1
Calendar Title: Legal Methodology Teaching 1.
Description: See WRIT 016D1 for course description.
Notes:
- Prerequisite: four full-time terms in Law
- Prerequisite: WRIT 016D1
- Restriction: not open to students who have taken WRIT 017D1 and WRIT 017D2
- No credit will be given for this course unless both WRIT 016D1 and WRIT 016D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 017D1
Credit Weight: 2
Transcript Title: Legal Methodology Teaching 2
Calendar Title: Legal Methodology Teaching 2.
Description:
The legal writing and presentation of oral arguments, as well as legal research with an emphasis on foreign legal materials. Students are also responsible for a significant portion of the instructional component of the course Legal Writing, Mooting and Advanced Legal Research.
Notes:
- Restriction: Not open to students who have taken WRIT 016D1 and WRIT 016D2
- Students must register for both WRIT 017D1 and WRIT 017D2.
- No credit will be given for this course unless both WRIT 017D1 and WRIT 017D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 017D2
Credit Weight: 2
Transcript Title: Legal Methodology Teaching 2
Calendar Title: Legal Methodology Teaching 2.
Description:
See WRIT 017D1 for course description.
Notes:
- Prerequisite: WRIT 017D1
- Restriction: Not open to students who have taken WRIT 016D1 and WRIT 016D2
- No credit will be given for this course unless both WRIT 017D1 and WRIT 017D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 017D3
Credit Weight: 3
Transcript Title: The McGill International Human Rights Internship
Calendar Title: The McGill International Human Rights Internship.
Description:
Partner organizations will provide students with practical work experience in a Field placement in Canada or abroad. Students will be given the opportunity to apply their legal education in a concrete setting and further develop a demonstrated interest in and commitment to the defence of human rights. Students are selected through an application process directed through the Centre of Human
Rights and Legal Pluralism.

Notes:
Restriction(s): By departmental approval only. Not open to students who have taken or are taking WRIT 021.

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

WRIT 021
Credit Weight: 3
Transcript Title: Independent Human Rights Intern
Calendar Title: Independent Human Rights Internship.

Description:
Independently-organized field placement in Canada or abroad. This internship will provide students with an opportunity to apply their legal education in a concrete setting and further develop interest in and commitment to the defence of human rights. Students must obtain the approval of the Dean or the Dean's delegate for their participation and for the terms of the internship.

Notes:
Restriction(s): By departmental approval only. Not open to students who have taken or are taking WRIT 020 or WRIT 020D1/D2.

Administering Faculty: Faculty of Law
Teaching Department: Law

Status (catalog level): Active

WRIT 048
Credit Weight: 2
Transcript Title: Group Assistants
Calendar Title: Group Assistants.

Description:
A limited number of candidates who have completed four terms in the Faculty may elect once only, with the permission of the Dean or the Dean's delegate, to work as Group Assistants in an approved course. Candidates must file an application prior to the end of the first week of term in which they propose to serve as Group Assistants and file a written report on their work by the last day of classes in that term for which they receive credit.

Administering Faculty: Faculty of Law
Teaching Department: Law

Status (catalog level): Active

WRIT 048D1
Credit Weight: 1
Transcript Title: Group Assistants
Calendar Title: Group Assistants.

Description:
A limited number of candidates who have completed four terms in the Faculty may elect once only, with the permission of the Dean or the Dean's delegate, to work as Group Assistants in an approved course. Candidates must file an application prior to the end of the first week of term in which they propose to serve as Group Assistants and file a written report on their work by the last day of classes in that term for which they receive credit.

Notes:
Students must register for both WRIT 048D1 and WRIT 048D2.
No credit will be given for this course unless both WRIT 048D1 and WRIT 048D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 048D2
Credit Weight: 1
Transcript Title: Group Assistants
Calendar Title: Group Assistants.
Description: See WRIT 048D1 for description.
Notes: Prerequisite: WRIT 048D1. No credit will be given for this course unless both WRIT 048D1 and WRIT 048D2 are successfully completed in consecutive terms.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 300
Credit Weight: 6
Transcript Title: Major Internship
Calendar Title: Major Internship.
Description: Internship in law.
Notes: Prerequisites: Permission of Dean or Dean's delegate. Restriction: Student must apply for the internship by third year registration deadline. Note: A limited number of students who have completed four terms in the Faculty may work only once as an intern in an approved internship relating to the major concentration.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 300D1
Credit Weight: 3
Transcript Title: Major Internship
Calendar Title: Major Internship.
Description: Internship in law.
Notes: Restriction: Students must apply for the internship by third year registration deadline. Students must register for both WRIT 300D1 and WRIT 300D2. No credit will be given for this course unless both WRIT 300D1 and WRIT 300D2 are successfully completed in consecutive terms.
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 300D2
Credit Weight: 3
Transcript Title: Major Internship
Calendar Title: Major Internship.
Description: See WRIT 300D1 for course description.
Notes:
Prerequisite: WRIT 300D1
No credit will be given for this course unless both WRIT 300D1 and WRIT 300D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 330D1
Credit Weight: 2
Transcript Title: Editor-in-Chief 1
Calendar Title: Editor-in-Chief 1.
Description:
Editor-in-Chief of a McGill law journal.
Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 330D1 and WRIT 330D2.
No credit will be given for this course unless both WRIT 330D1 and WRIT 330D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 330D2
Credit Weight: 2
Transcript Title: Editor-in-Chief 1
Calendar Title: Editor-in-Chief 1.
Description:
See WRIT 330D1 for course description.
Notes:
Prerequisite: WRIT 330D1
No credit will be given for this course unless both WRIT 330D1 and WRIT 330D2 are successfully completed in consecutive terms

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 331D1
Credit Weight: 2
Transcript Title: Executive Editor 1
Calendar Title: Executive Editor 1.
Description:
Executive editor of a McGill law journal.
Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 331D1 and WRIT 331D2.
No credit will be given for this course unless both WRIT 331D1 and WRIT 331D2 are successfully completed in consecutive terms

JSDLP JSDLP MJDR.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 331D2
Credit Weight: 2
Transcript Title: Executive Editor 1
Calendar Title: Executive Editor 1.
Description:
See WRIT 331D1 for course description.

Notes:
Prerequisite: WRIT 331D1
No credit will be given for this course unless both WRIT 331D1 and WRIT 331D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 332D1
Credit Weight: 2
Transcript Title: Managing Editor 1
Calendar Title: Managing Editor 1.
Description: Managing editor of a McGill law journal.
Notes: Restriction: Faculty approval required.
Students must register for both WRIT 332D1 and WRIT 332D2.
No credit will be given for this course unless both WRIT 332D1 and WRIT 332D2 are successfully completed in consecutive terms
JSDLP. MJDR.

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 332D2
Credit Weight: 2
Transcript Title: Managing Editor 1
Calendar Title: Managing Editor 1.
Notes: Prerequisite: WRIT 332D1
No credit will be given for this course unless both WRIT 332D1 and WRIT 332D2 are successfully completed in consecutive terms

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 333
Credit Weight: 2
Transcript Title: Senior Editor 1
Calendar Title: Senior Editor 1.
Description: Senior Editor of a McGill law journal.
Notes: Restriction: Faculty approval required.

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 333D1
Credit Weight: 1
Transcript Title: Senior Editor 1
Calendar Title: Senior Editor 1.
Description:
Senior Editor of a McGill law journal.

Notes:
Restriction: Faculty approval required.
Students must register for both WRIT 333D1 and WRIT 333D2.
No credit will be given for this course unless both WRIT 333D1 and WRIT 333D2 are
successfully completed in consecutive terms
JSDL. MJLH. MJDR.

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

WRIT 333D2
Credit Weight: 1
Transcript Title: Senior Editor 1
Calendar Title: Senior Editor 1.
Description:
See WRIT 333D1 for course description.

Notes:
Prerequisite: WRIT 333D1
No credit will be given for this course unless both WRIT 333D1 and WRIT 333D2 are
successfully completed in consecutive terms

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

WRIT 334
Credit Weight: 2
Transcript Title: Specialized Editor 1
Calendar Title: Specialized Editor 1.
Description:
Specialized editor of a McGill law journal.

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

WRIT 334D1
Credit Weight: 1
Transcript Title: Specialized Editor 1
Calendar Title: Specialized Editor 1.
Description:
Specialized editor of a McGill law journal.

Notes:
Restriction: Faculty approval is required.
Students must register for both WRIT 334D1 and WRIT 334D2.
No credit will be given for this course unless both WRIT 334D1 and WRIT 334D2 are
successfully completed in consecutive terms
WRIT 334D1 and WRIT 334D2 together are equivalent to WRIT 334
MJLH

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active

WRIT 334D2
Credit Weight: 1
Transcript Title: Specialized Editor 1
Calendar Title: Specialized Editor 1.
Description: See WRIT 334D1 for course description.
Notes: Prerequisite: WRIT 334D1
No credit will be given for this course unless both WRIT 334D1 and WRIT 334D2 are successfully completed in consecutive terms.
WRIT 334D1 and WRIT 334D2 together are equivalent to WRIT 334.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 400
Credit Weight: 6
Transcript Title: Senior Essay
Calendar Title: Senior Essay.
Description: Students may, with the permission of the Dean or Dean's delegate, and on conditions set from time to time by the Faculty, elect to write a senior essay.
This essay must have a scope and ambition sufficient to constitute a major element in the student's legal education. To be eligible to write a senior essay, a student must have completed at least four terms in the Faculty. Only one such essay may be submitted by a given student for credit.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 400D1
Credit Weight: 3
Transcript Title: Senior Essay
Calendar Title: Senior Essay.
Description: Students may, with the permission of the Dean or Dean's delegate, and on conditions set from time to time by the Faculty, elect to write a senior essay.
This essay must have a scope and ambition sufficient to constitute a major element in the student's legal education. To be eligible to write a senior essay, a student must have completed at least four terms in the Faculty. Only one such essay may be submitted by a given student for credit.
Notes: Students must register for both WRIT 400D1 and WRIT 400D2.
No credit will be given for this course unless both WRIT 400D1 and WRIT 400D2 are successfully completed in consecutive terms.
WRIT 400D1 and WRIT 400D2 together are equivalent to WRIT 400.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 400D2
Credit Weight: 3
Transcript Title: Senior Essay
Calendar Title: Senior Essay.
Description: See WRIT 400D1 for course description.
Notes: Prerequisite: WRIT 400D1
No credit will be given for this course unless both WRIT 400D1 and WRIT 400D2 are successfully completed in consecutive terms.
WRIT 400D1 and WRIT 400D2 together are equivalent to WRIT 400.
successfully completed in consecutive terms
WRIT 400D1 and WRIT 400D2 together are equivalent to WRIT 400

**Administrating Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**WRIT 433**

**Credit Weight:** 6

**Transcript Title:** Legal Clinic 1

**Calendar Title:** Legal Clinic 1.

**Description:**

Legal clinic that complements legal education through practical work.

**Notes:**

Restriction: Not open to students who have taken WRIT 434 or WRIT 435.

Note: Student who have completed four terms in the Faculty of Law may, with permission of the Dean or the Dean's delegate, work only once in an approved 6-credit legal clinic.

**Administrating Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**WRIT 433D1**

**Credit Weight:** 3

**Transcript Title:** Legal Clinic 1

**Calendar Title:** Legal Clinic 1.

**Description:**

Legal clinic that complements legal education through practical work.

**Notes:**

Restriction: Not open to students who have taken WRIT 434 or WRIT 435.

Students must register for both WRIT 433D1 and WRIT 433D2.

No credit will be given for this course unless both WRIT 433D1 and WRIT 433D2 are successfully completed in consecutive terms.

Note: Student who have completed four terms in the Faculty of Law may, with permission of the Dean or the Dean's delegate, work only once in an approved 6-credit legal clinic.

WRIT 433D1 and WRIT 433D2 together are equivalent to WRIT 400

**Administrating Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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**WRIT 433D2**

**Credit Weight:** 3

**Transcript Title:** Legal Clinic 1

**Calendar Title:** Legal Clinic 1.

**Description:**

See WRIT 433D1 for course description.

**Notes:**

Prerequisite: WRIT 433D1

Restriction: Not open to students who have taken WRIT 434 or WRIT 435.

No credit will be given for this course unless both WRIT 433D1 and WRIT 433D2 are successfully completed in consecutive terms.

Note: Student who have completed four terms in the Faculty of Law may, with permission of the Dean or the Dean's delegate, work only once in an approved 6-credit legal clinic.

WRIT 433D1 and WRIT 433D2 together are equivalent to WRIT 400

**Administrating Faculty:** Faculty of Law

**Teaching Department:** Law
Status (catalog level): Active

WRIT 434
Credit Weight: 3
Transcript Title: Legal Clinic 2
Calendar Title: Legal Clinic 2.
Description: Legal clinic that complements legal education through practical work.
Notes: Restriction: Not open to students who have taken WRIT 433.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 435
Credit Weight: 3
Transcript Title: Legal Clinic 3
Calendar Title: Legal Clinic 3.
Description: Legal clinic that complements legal education through practical work.
Notes: Prerequisite: WRIT 434
Restriction: Cannot take course if completed WRIT 433.
Students who have completed four terms in the Faculty of Law may, with permission of the Dean or the Dean's delegate, work only twice in an approved 3-credit legal clinic.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 440
Credit Weight: 6
Transcript Title: Student Clerkship A
Calendar Title: Student Clerkship A.
Description: Students who have completed four terms in the Faculty may, with permission of the Dean or the Dean's delegate, work only once as a student clerk for a judge of the Quebec Court of Appeal, Quebec Superior Court, Quebec Court or an administrative tribunal under general Faculty Supervision.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 440D1
Credit Weight: 3
Transcript Title: Student Clerkship A
Calendar Title: Student Clerkship A.
Description: Students who have completed four terms in the Faculty may, with permission of the Dean or the Dean's delegate, work only once as a student clerk for a judge of the Quebec Court of Appeal, Quebec Superior Court, Quebec Court or an administrative tribunal under general Faculty Supervision.
Notes: Students must register for both WRIT 440D1 and WRIT 440D2.
No credit will be given for this course unless both WRIT 440D1 and WRIT 440D2 are successfully completed in consecutive terms.
WRIT 440D1 and WRIT 440D2 together are equivalent to WRIT 440

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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WRIT 440D2

**Credit Weight:** 3

**Transcript Title:** Student Clerkship A

**Calendar Title:** Student Clerkship A.

**Description:**
See WRIT 440D1 for course description.

**Notes:**

- **Prerequisite:** WRIT 440D1
- No credit will be given for this course unless both WRIT 440D1 and WRIT 440D2 are successfully completed in consecutive terms
- WRIT 440D1 and WRIT 440D2 together are equivalent to WRIT 440

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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WRIT 441

**Credit Weight:** 3

**Transcript Title:** Student Clerkship B

**Calendar Title:** Student Clerkship B.

**Description:**
Students who have completed four terms in the Faculty may, with permission of the Dean or the Dean's delegate, work only once as a student clerk for a judge of the Quebec Court of Appeal, Quebec Superior Court, Quebec Court or an administrative tribunal under general Faculty Supervision.

**Notes:**

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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WRIT 449D1

**Credit Weight:** 3

**Transcript Title:** The Capstone Project

**Calendar Title:** The Capstone Project.

**Description:**
The Capstone Project is meant to provide an opportunity for reflection on a student’s trajectory as a jurist towards the end of that student’s formal legal education at the Faculty and may be undertaken using various modes of communication including but not limited to academic writing. Students completing Capstone Projects will present their work to the graduating class.

**Notes:**

- **Restriction(s):** Students can undertake a Capstone Project in the last two terms of their program (except with special permission of the Associate Dean (Academic)).
- Students must register for both WRIT 449D1 and WRIT 449D2.
- No credit will be given for this course unless both WRIT 449D1 and WRIT 449D2 are successfully completed in consecutive terms

**Administering Faculty:** Faculty of Law

**Teaching Department:** Law

**Status (catalog level):** Active

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WRIT 449D2
Credit Weight: 3
Transcript Title: The Capstone Project
Calendar Title: The Capstone Project.
Description:
The Capstone Project is meant to provide an opportunity for reflection on a student¿s trajectory as a jurist towards the end of that student¿s formal legal education at the Faculty and may be undertaken using various modes of communication including but not limited to academic writing. Students completing Capstone Projects will present their work to the graduating class.
Notes:
Pre-requisite: WRIT 449D1
Restriction(s): Students can undertake a Capstone Project in the last two terms of their program (except with special permission of the Associate Dean (Academic)).
No credit will be given for this course unless both WRIT 449D1 and WRIT 449D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 450
Credit Weight: 3
Transcript Title: Honours Thesis 1
Calendar Title: Honours Thesis 1.
Description:
Preparation of honours thesis proposal and literature review.
Notes:
Restriction: Students must be accepted into Honours program
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 451
Credit Weight: 6
Transcript Title: Honours Thesis 2
Calendar Title: Honours Thesis 2.
Description:
Thesis research report.
Notes:
Prerequisite: WRIT 450
Restriction: Student must be accepted into Honours program
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 452
Credit Weight: 6
Transcript Title: Honours Thesis 3
Calendar Title: Honours Thesis 3.
Description:
Completion of Honours thesis.
Notes:
Prerequisites: WRIT 450, WRIT 451
Restriction: Students must be accepted into Honours program
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 452D1
Credit Weight: 3
Transcript Title: Honours Thesis 3
Calendar Title: Honours Thesis 3.
Description: Completion of Honours thesis.
Notes: Students must register for both WRIT 452D1 and WRIT 452D2.
No credit will be given for this course unless both WRIT 452D1 and WRIT 452D2 are successfully completed in consecutive terms
WRIT 452D1 and WRIT 452D2 together are equivalent to WRIT 452
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 452D2
Credit Weight: 3
Transcript Title: Honours Thesis 3
Calendar Title: Honours Thesis 3.
Description: Completion of Honours thesis.
Notes: Prerequisite: WRIT 452D1
No credit will be given for this course unless both WRIT 452D1 and WRIT 452D2 are successfully completed in consecutive terms
WRIT 452D1 and WRIT 452D2 together are equivalent to WRIT 452
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 491
Credit Weight: 3
Transcript Title: Term Essay 1A
Calendar Title: Term Essay 1A.
Description: Students who have completed two terms of legal studies may elect with the permission of the Dean or the Dean's delegate to write an essay for 3 credits under the supervision of an instructor in the Faculty.
Notes: Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 492
Credit Weight: 3
Transcript Title: Term Essay 2
Calendar Title: Term Essay 2.
Description: Students who have completed two terms of legal studies may elect with the permission of the Dean or the Dean's delegate to write an essay for 3 credits under the supervision of an instructor in the Faculty.
Notes: Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 493
Credit Weight: 3
Transcript Title: Term Essay 3
Calendar Title: Term Essay 3.
Description: Students who have completed two terms of legal studies may elect with the permission of the Dean or the Dean's delegate to write an essay for 3 credits under the supervision of an instructor in the Faculty.
Notes:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 494
Credit Weight: 3
Transcript Title: Term Essay 1B
Calendar Title: Term Essay 1B.
Description: Students who have completed two terms of legal studies may elect with the permission of the Dean or the Dean's delegate to write an essay for 3 credits under the supervision of an instructor in the Faculty.
Notes:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 495
Credit Weight: 3
Transcript Title: Term Essay 1C
Calendar Title: Term Essay 1C.
Description: Students who have completed two terms of legal studies may elect with the permission of the Dean or the Dean's delegate to write an essay for 3 credits under the supervision of an instructor in the Faculty.
Notes:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 500D1
Credit Weight: 1.5
Transcript Title: Editorial Assistant 1
Calendar Title: Editorial Assistant 1.
Description: Editorial Assistant in a Law journal.
Notes: Restriction(s): Departmental approval required. Open only to Law BCL, LLB & LLM (ICL) students. Students must register for both WRIT 500D1 and WRIT 500D2. No credit will be given for this course unless both WRIT 500D1 and WRIT 500D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
WRIT 500D2
Credit Weight: 1.5
Transcript Title: Editorial Assistant 1
Calendar Title: Editorial Assistant 1.
Description: See WRIT 500D1 for course description.
Notes: Prerequisite(s): WRIT 500D1
No credit will be given for this course unless both WRIT 500D1 and WRIT 500D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 501D1
Credit Weight: 1
Transcript Title: Editorial Assistant 2
Calendar Title: Editorial Assistant 2.
Description: Editorial Assistant for a Law journal.
Notes: Restriction(s): Departmental approval required. Open to Law BCL, LLB & LLM (ICL) students only.
Students must register for both WRIT 501D1 and WRIT 501D2.
No credit will be given for this course unless both WRIT 501D1 and WRIT 501D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 501D2
Credit Weight: 1
Transcript Title: Editorial Assistant 2
Calendar Title: Editorial Assistant 2.
Description: See WRIT 501D1.
Notes: Prerequisite(s): WRIT 501D1
No credit will be given for this course unless both WRIT 501D1 and WRIT 501D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 520
Credit Weight: 1
Transcript Title: Writing & Drafting Project
Calendar Title: Writing and Drafting Project.
Description: A one-credit add-on to existing substantive law courses. Students undertake one or more writing exercises, e.g. drafting opinion letters or research memoranda. This add-on may be used once only, in final year of study, with permission of Dean or Dean's delegate. For undergraduate students, project must relate to a course successfully completed in a previous term and be supervised by full-time member of the Faculty with expertise in the area.
Notes:
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
YCFN N03
Credit Weight: 0
Transcript Title: Intensive French/Spec. Purpose
Calendar Title: Intensive French for Specific Purposes develops linguistic, communicative, functional and socio-cultural competencies at an intermediate level. Classes will provide instruction in listening, speaking, reading, writing and pronunciation. Learners will put into practice various techniques necessary for effective oral and written communication.
Administering Faculty: School of Cont Studies(Non-Tr)
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive
YRF A 300
Credit Weight: 0
Transcript Title: Practical Internship
Calendar Title: 
Administering Faculty: Agric Environ Sci (Non-Tr)
Teaching Department: Agricultural & Env.Sc.—Dean
Status (catalog level): Inactive
ARCH 562

Credit Weight: 3

Transcript Title: Innovative Homes & Communities

Calendar Title: Innovative Homes and Communities.

Description:
Innovative design concepts for sustainable homes and communities to include adaptability; net-zero energy; micro units; recycling; plug and play; green roofs; aging in place and live-work.

Notes:
(3-0-6)
Prerequisite: ARCH 304.
Restriction: Not open to students who have taken ARCH 631.

Administering Faculty: Faculty of Engineering
Teaching Department: Architecture
Status (catalog level): Active
ASPL 613
Credit Weight: 3
Transcript Title: Gov't Regulation of Air Transp
Calendar Title: Government Regulation of Air Transport.
Description: Economic regulation of air transport and navigation, deregulation, liberalization, open skies. Economic and regulatory theories, competition, anti-trust regulation. Status, negotiation, and implementation of international agreements on air services.

ASPL 614
Credit Weight: 3
Transcript Title: Airline Business and Law
Calendar Title: Airline Business and Law.
Description: Interdisciplinary analysis of the legal issues confronting airlines in such areas as economics, finance, securities, bankruptcy, pricing, marketing, distribution, alliances, joint-ventures and competition.

ASPL 632
Credit Weight: 3
Transcript Title: Comparative Air Law
Calendar Title: Comparative Air Law.
Description: Comparative approaches to air law. Selected problems of private law not codified by international conventions including product liability; government liability for certification and inspection of aircraft; ATC liability; aviation insurance; fleet financing; leasing.

ASPL 638
Credit Weight: 3
Transcript Title: Law of Space Applications
Calendar Title: Law of Space Applications.
Description: The legal implications of various space applications, such as telecommunications and the role therein of various international organizations; remote sensing by satellites; space stations; commercial and military uses of outer space.
BIOL 331
Credit Weight: 3
Transcript Title: Ecology/Behaviour Field Course
Calendar Title: Ecology/Behaviour Field Course.
Description:
Methods of sampling natural populations. Testing hypotheses in nature.
Notes:
Prerequisites: BIOL 206 and BIOL 215, or equivalents, or permission of the instructor.
Note: This course has an additional fee. The Department of Biology subsidizes a portion of the cost for this activity.
The field portion of this course is given at the University's Gault Nature Reserve in Mont St. Hilare over a two-week period in the summer term. In the summer, students prepare a report based on projects carried out during this field portion. There is an additional fee of $668.32 that covers room and board and handouts. This fee could be refundable if the department approves it.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active
BUS2 365
Credit Weight: 4
Transcript Title: Business Associations
Calendar Title: Business Associations.
Description:
An introduction to agency or mandate, partnership and co-operatives. The nature of corporate personality; the two systems of incorporation; constitutional problems; the raising and maintenance of a company's capital; the organs of the company; and protection of investors and minority shareholders.
Droit des affaires
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

BUS2 504
Credit Weight: 3
Transcript Title: Securities Regulation
Calendar Title: Securities Regulation.
Description:
An introduction to the structure of Canada's capital markets and a review of major features of securities regulation using the Quebec or Ontario scheme as background. An examination of the general regulatory framework for licensing of securities professionals, disclosure to investors and enforcement powers of regulators.
Notes:
Restriction: Not open to students who have taken BUS2 372.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
CATH 370
Credit Weight: 3
Transcript Title: Topics in Catholic Studies
Calendar Title: Topics in Catholic Studies.
Description:
A review of selected topics in Catholica studies. Topics vary by year.
Notes:
Cross-listener with RELG 315. Topics for 2023: Indigenous Religiosity and Spirituality. In this course, we will study the nature, characteristics, and practices of indigenous religiosity and spirituality from an African perspective. The primary focus will be the Igbo of southeastern Nigeria, and precisely on the cultural, religious, and socio-political context of the interaction between Christianity and their indigenous belief system. Attention will be paid to the similarities and differences with other indigenous religiosities and spiritualities, particularly within the Canadian context.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
CCCS 321
Credit Weight: 3
Transcript Title: Operating Systems Admin
Calendar Title: Operating Systems Administration.
Description:
Operating systems such as Windows and LINUX/UNIX environments, administration of computer servers, usage of script languages in various operating systems, back up procedures and remote access, communication protocol used among different systems, managing information and system security.
Notes:
Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 325
Credit Weight: 3
Transcript Title: Mobile Application Development
Calendar Title: Mobile Application Development.
Description:
Examines the limitations and technical challenges of current mobile devices and wireless communications by using up-to-date software development tools and application programming interfaces. Develop small realistic applications for mobile devices by using a standard software development environment.
Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator. Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 330
Credit Weight: 3
Transcript Title: Database Design & Bus Apps Dev
Calendar Title: Database Design and Business Applications Development.
Description:
Design and implement applications that make use of different database management systems. Simple and complex Structured Query Language (SQL) used in manipulation of information, data design, querying, and programming. Connectivity to different databases through programming languages to implement web applications.
Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator. Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCCS 425
Credit Weight: 3
Transcript Title: Web Services
Calendar Title: Web Services.
Description:
Design, implementation, and deployment of web services-based solutions to solve common problems in the distributed application domain.
Notes:
Prerequisites: CCCS 300 or approval of the Director or Program Coordinator. Course includes synchronous activities
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active

CCC 431
Credit Weight: 3
Transcript Title: Networking Fundamentals
Calendar Title: Networking Fundamentals.
Description:
Fundamental concepts and practices of network principles, technical and managerial aspects of data communications, overview of local area and wide-area networks, network topology, network protocols, Internet/intranets, client/server communication, and file sharing.
Notes:
Corequisite: CCCS 300
Course includes synchronous activities.
Administering Faculty: School of Continuing Studies
Teaching Department: Technology & Innovation
Status (catalog level): Active
**CCTR 217**

**Credit Weight:** 3  
**Transcript Title:** Fundls of Compar Styl&Writ(En)  
**Calendar Title:** Fundamentals of Comparative Stylistics and Writing (English).  
**Description:**  
Concepts and principles that are essential to the practice of translation, including a review of advanced grammar and syntax indispensable for translators; an extensive review of punctuation and mechanics; an overview of comparative stylistics between English and French; and, an introduction to basic writing techniques that includes the essentials of composition and rhetoric, to highlight the importance of tailoring each text to a specific audience and a purpose.  
**Notes:**  
Restriction: Open only to students in the Certificate in Translation, French to English option. Not open to students who have taken or are taking CCTR 234 or CCTR 310.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Translation  
**Status (catalog level):** Inactive

**CCTR 218**

**Credit Weight:** 3  
**Transcript Title:** Fundls of Compar Styl&Writ(Sp)  
**Calendar Title:** Fundamentals of Comparative Stylistics and Writing (Spanish).  
**Description:**  
The concepts and principles that are essential to the practice of translation, including the following: a review of advanced grammar and syntax indispensable for translators; an extensive review of punctuation and mechanics; an overview of comparative stylistics between English and Spanish; and an introduction to basic writing techniques that includes the essentials of composition and rhetoric, to highlight the importance of tailoring each text to a specific audience and a purpose.  
**Notes:**  
Restriction(s): Open only to students in the following programs: Certificate in Translation, Spanish to English option; Certificate in Translation, English to Spanish option. Not open to students who have taken or are taking CCTR 234, CCTR 237, or CCTR 317.  
The languages of instruction of this course are Spanish and English.  
**Administering Faculty:** School of Continuing Studies  
**Teaching Department:** Translation  
**Status (catalog level):** Inactive

**CCTR 227**

**Credit Weight:** 3  
**Transcript Title:** Spanish Translation 1  
**Calendar Title:** Spanish Translation 1.  
**Description:**  
An introduction to the principles of translation through careful analysis and translation of selected texts with a view to building competence in translating from English and/or French into Spanish.  
**Notes:**  
Prerequisite: Entrance exam  
Only open to students in one of the following programs: Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.  
Note: The languages used in the course are Spanish, English and French. Besides proven level of competence in the two languages of the chosen option, eligible
students must have a working knowledge of the third language.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Translation

**Status (catalog level):** Inactive

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**CCTR 228**

**Credit Weight:** 3

**Transcript Title:** Intro to Translation (EngtoSp)

**Calendar Title:** Introduction to Translation (English to Spanish).

**Description:**
Introduction to the principles and practice of translation from English into Spanish, including contrastive analysis of English and Spanish, general text analysis, as well as an introduction to appropriate research techniques and sources of documentation. Examination of various methods and strategies to identify and resolve different translation problems.

**Notes:**
Corequisite(s): CCTR 218, OR, CCTR 237, OR, CCTR 317.
Restriction(s): Open only to students in the following programs: Certificate in Translation, Spanish to English option; Certificate in Translation, English to Spanish option.
Not open to students who have taken or are taking CCTR 227.
The languages of instruction of this course are Spanish and English.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Translation

**Status (catalog level):** Inactive

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**CCTR 232**

**Credit Weight:** 3

**Transcript Title:** Documentation and Terminology

**Calendar Title:** Documentation and Terminology/Documentation et terminologie.

**Description:**
Skills needed for research in documentation and terminology; on- and off-line use of databanks, Internet resources as well as various forms of records and corpora; introduction to MT (machine translation), CAT (computer-assisted translation) and localization.

**Notes:**
Bilingual course / cours bilingue
Restriction(s): Only open to students in the following program: Certificate in Translation.

**Administering Faculty:** School of Continuing Studies

**Teaching Department:** Translation

**Status (catalog level):** Inactive

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**CCTR 237**

**Credit Weight:** 3

**Transcript Title:** Writing Techniques (Spanish)

**Calendar Title:** Writing Techniques (Spanish).

**Description:**
Practice in writing clearly and concisely, respecting the rules for written expression. Use of all the stylistic resources afforded by the language to make the text idiomatic and readable, including various specialized discourses such as advertising, business correspondence, résumés and press releases.

**Notes:**
Prerequisite: Entrance exam
Note: The languages used in the course are Spanish, English and/or French.
Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.
Restriction(s): Only open to students in one of the following programs:
Certificate in Translation; Spanish to English; Certificate in Translation;
Spanish to French; Certificate in Translation; French/English to Spanish.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 317
Credit Weight: 3
Transcript Title: Comparative Stylistics: S/E/F
Calendar Title: Comparative Stylistics: Spanish/English/French.
Description:
Linguistic and stylistic comparisons among English, French and Spanish in relation to the practical study of translation. Comparative structural analysis of the languages is used to outline the common problems of translation and to develop strategies for dealing with them. Emphasis on grammar, syntax and style.
Notes:
Prerequisite: Entrance exam
Note: The languages used in the course are Spanish, English and/or French.
Besides proven level of competence in the two languages of the chosen option, eligible students must have a working knowledge of the third language.
Restriction(s): Only open to students in one of the following programs:
Certificate in Translation; Spanish to English; Certificate in Translation;
Spanish to French; Certificate in Translation; French/English to Spanish.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 334
Credit Weight: 3
Transcript Title: Spanish Translation to English
Calendar Title: Spanish Translation to English.
Description:
Designed for students with a good working knowledge of Spanish, the course provides training in translation techniques from Spanish into English. Topics will cover areas of a general nature as well as business and administrative texts.
Notes:
Restriction: Only open to students in the following program: Certificate in Translation; Spanish to English.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 335
Credit Weight: 3
Transcript Title: Semi-Spec.Transl. (Eng to Sp)
Calendar Title: Semi-Specialized Translation (English to Spanish).
Description:
Introduction to the translation of specialized subject matter through translation of various semi-specialized texts (texts written by specialists for non-specialists). Study of the various methods, strategies, appropriate tools and research techniques to identify and resolve translation problems specific to the selected texts, such as the recognition of terms or the challenges of popularizing specialized terminology in Spanish. Students will be exposed to texts in a variety of fields in preparation for the specialized domains covered in subsequent translation courses.
Notes:
Prerequisite(s): CCTR 227 or CCTR 228
Restriction: Not open to students who have taken or are taking CCTR 360.
The languages of instruction of this course are Spanish and English.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 360
Credit Weight: 3
Transcript Title: Spanish Translation 2
Calendar Title: Spanish Translation 2.
Description:
The emphasis of this course is on translation from English/French into Spanish. Material chosen for this course will cover those areas which at the moment are in greatest demand: law, material related to international agreements on the environment; computer science, etc. / Cours de traduction anglais/français-espagnol. Les documents étudiés pendant le cours couvrent des sujets particulièrement d'actualité : droit, accords internationaux sur l'environnement, informatique, etc.
Notes:
Note: Language of instruction: Spanish
Restriction(s): Only open to students in one of the following programs: Certificate in Translation; Spanish to English; Certificate in Translation; Spanish to French; Certificate in Translation; French/English to Spanish.
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 433
Credit Weight: 3
Transcript Title: French Translation 3
Calendar Title: French Translation 3.
Description:
This course concentrates on translating texts from English into French. Texts of specialized domains will be used (e.g. management, legal, computer technology, and engineering).
Notes:
Prerequisites: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 431
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 434
Credit Weight: 3
Transcript Title: English Translation 3
Calendar Title: English Translation 3.
Description:
This course concentrates on translating texts from French into English. Texts of specialized domains will be used (e.g. management, legal, computer technology, and engineering).
Notes:
Prerequisites: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 432
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 435
Credit Weight: 3
Transcript Title: French Translation 4
Calendar Title: French Translation 4.
Description:
This course concentrates on translating texts from English into French. Texts from one or more specialized domains will be used (e.g. health and environmental sciences, computer software programs, engineering and aeronautics). Localization techniques will be studied.
Notes:
Prerequisite: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 431
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive

CCTR 436
Credit Weight: 3
Transcript Title: English Translation 4
Calendar Title: English Translation 4.
Description:
This course concentrates on translating texts from French into English. Texts from one or more specialized domains will be used (e.g. health and environmental sciences, computer software programs, engineering and aeronautics). Localization techniques will be studied.
Notes:
Prerequisite: CCTR 325 and CCTR 326 [or CCTR 320]
Restriction: Not open to students who have taken CCTR 432
Administering Faculty: School of Continuing Studies
Teaching Department: Translation
Status (catalog level): Inactive
CEGL 110
Credit Weight: 5
Transcript Title: English Comm. Level 1A
Calendar Title: English Communication Level 1A.
Description:
First of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 120
Credit Weight: 5
Transcript Title: English Comm. Level 1B
Calendar Title: English Communication Level 1B.
Description:
Second of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 110, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 130
Credit Weight: 5
Transcript Title: English Comm. Level 1C
Calendar Title: English Communication Level 1C.
Description:
Third of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 120, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 140
Credit Weight: 5
Transcript Title: English Comm. Level 1D
Calendar Title: English Communication Level 1D.
Description:
Last of four beginner-level workshops/courses designed for specific professional purposes. Develops functional linguistic and communicative competence in all four skills: reading, writing, listening and speaking.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 130, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 170
Credit Weight: 6
Transcript Title: Elem1EssentEng-Health Services
Calendar Title: Elementary 1 Essential English for Health Services.
Description: Intended for healthcare and social services providers, as well as for frontline administrative support staff who have no functional ability in English. Focuses on basic English language skills for professional purposes.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 171

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 171
Credit Weight: 4
Transcript Title: Elem1 Eng Conv-Health Services
Calendar Title: Elementary 1 English Conversation for Health Services.
Description: Focuses on basic English language speaking and listening comprehension skills essential to healthcare and social services providers, as well as for frontline administrative support staff who have no knowledge of English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 170

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 172
Credit Weight: 6
Transcript Title: Elem2EssentEng-Health Services
Calendar Title: Elementary 2 Essential English for Health Services.
Description: Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a limited functional ability in English. Focuses on elementary English language skills for professional purposes.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 173

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 173
Credit Weight: 4
Transcript Title: Elem2 Eng Conv-Health Services
Calendar Title: Elementary 2 English Conversation for Health Services.
Description:
Focuses on elementary English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have limited knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 173

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 174
Credit Weight: 6
Transcript Title: Elem3EssentEng-Health Services
Calendar Title: Elementary 3 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a functional ability in English. Focuses on high elementary English language skills for professional purposes.
Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s) : CEGL 175

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 175
Credit Weight: 4
Transcript Title: Elem3 Eng Conv-Health Services
Calendar Title: Elementary 3 English Conversation for Health Services.
Description:
Focuses on high elementary English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have a functional knowledge of English.
Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 174

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 210
Credit Weight: 5
Transcript Title: English Comm. Level 2A
Calendar Title: English Communication Level 2A.
Description:
First of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 140, Entrance Placement Test (EPT), or Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive
CEGL 215
Credit Weight: 8
Transcript Title: English Grammar at Work
Calendar Title: English Grammar at Work.
Description:
Designed for students at a mid-intermediate level wishing to improve their grammatical accuracy in written communication for the workplace at that level. Explores English grammatical rules, thematic vocabulary, and self-correction strategies through a variety of exercises and writing tasks embedded in common work-related situations.
Notes:
Prerequisite: Placement Test of Written English (PTWE) or Permission of the Director
Corequisite: CEGL 216
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 216
Credit Weight: 8
Transcript Title: Eng Gram&Writing in Context 1
Calendar Title: English Grammar and Writing in Context 1.
Description:
Designed for students at a mid-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of English grammar at the sentence level, thematic vocabulary and self correction strategies through a variety of learning activities embedded in common work related situations.
Notes:
Prerequisite: Placement Test of Written English (PTWE) or Permission of the Director
Corequisite: CEGL 215
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 220
Credit Weight: 5
Transcript Title: English Comm. Level 2B
Calendar Title: English Communication Level 2B.
Description:
Second of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistics and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 210, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 230
Credit Weight: 5
Transcript Title: English Comm. Level 2C
Calendar Title: English Communication Level 2C.
Description: Third of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistics and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: CEGL 220, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 238
Credit Weight: 6
Transcript Title: Pronunciation Clinic 2
Calendar Title: Pronunciation Clinic 2.
Description: For students with a mid-intermediate to advanced knowledge of English who wish to improve their pronunciation. A comprehensive overview of the English sound system with an emphasis on supra-segmentals, stress and intonation. Special attention will be given to individual pronunciation problems. / Pour les étudiants de niveau intermédiaire moyen et élevé et de niveau avancé qui souhaitent corriger ou améliorer leur prononciation en anglais. Une révision complète du système des sons de la langue anglaise avec un accent particulier sur les supra-segments, l'accentuation et l'intonation. Pédagogie dynamique. Les problèmes individuels seront traités avec une attention toute particulière.
Symbols: LIMT - Limited enrolment
Notes: 30 hrs
Prerequisite: CEGL 228 or CEEN 221 and CEEN 222 or permission of Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 240
Credit Weight: 5
Transcript Title: English Comm. Level 2D
Calendar Title: English Communication Level 2D.
Description: Fourth of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistics and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.
Symbols: LIMT - Limited enrolment
Notes: Prerequisite: CEGL 230, Entrance Placement Test (EPT), or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 250
Credit Weight: 5
Transcript Title: English Comm. Level 2E
**Calendar Title:** English Communication Level 2E.

**Description:**
Fifth of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistics and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.

**Symbols:** LIMT - Limited enrolment

**Notes:**
Prerequisite: CEGL 240, Entrance Placement Test (EPT), or Permission of the Director

**Administrating Faculty:** School of Continuing Studies

**Teaching Department:** Language & Intercultural Comm.

**Status (catalog level):** Inactive

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**CEGL 260**

**Credit Weight:** 5

**Transcript Title:** English Comm. Level 2F

**Calendar Title:** English Communication Level 2F.

**Description:**
Last of six intermediate-level workshops/courses designed for specific professional purposes. Develops linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in the real world.

**Symbols:** LIMT - Limited enrolment

**Notes:**
Prerequisite: CEGL 250, Entrance Placement Test (EPT), or Permission of the Director

**Administrating Faculty:** School of Continuing Studies

**Teaching Department:** Language & Intercultural Comm.

**Status (catalog level):** Inactive

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**CEGL 270**

**Credit Weight:** 6

**Transcript Title:** Inter1EssentEng-HealthServices

**Calendar Title:** Intermediate 1 Essential English for Health Services.

**Description:**
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a solid foundation in elementary English. Focuses on linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in their respective milieus.

**Notes:**
Prerequisite(s): Entrance Placement Test, or Permission of the Director

**Corequisite(s):** CEGL 271

**Administrating Faculty:** School of Continuing Studies

**Teaching Department:** Language & Intercultural Comm.

**Status (catalog level):** Inactive

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**CEGL 271**

**Credit Weight:** 4

**Transcript Title:** Inter1Eng Conv-Health Services

**Calendar Title:** Intermediate 1 English Conversation for Health Services.

**Description:**
Focuses on low-intermediate English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have a solid foundation in elementary
English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 270

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.

Status (catalog level): Inactive

CEGL 272
Credit Weight: 6
Transcript Title: Inter2EssentEng-HealthServices

Calendar Title: Intermediate 2 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a low-intermediate level of proficiency in English. Focuses on linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in their respective milieus.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 273

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.

Status (catalog level): Inactive

CEGL 273
Credit Weight: 4
Transcript Title: Inter2Eng Conv-Health Services

Calendar Title: Intermediate 2 English Conversation for Health Services.
Description:
Focuses on mid-intermediate English language speaking and listening comprehension skills essential for healthcare and social services providers, as well as for frontline administrative support staff who have a low-intermediate proficiency in English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 272

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.

Status (catalog level): Inactive

CEGL 274
Credit Weight: 6
Transcript Title: Inter3EssentEng-HealthServices

Calendar Title: Intermediate 3 Essential English for Health Services.
Description:
Intended for healthcare and social services providers, as well as for frontline administrative support staff who have a mid-intermediate level of proficiency in English. Focuses on linguistic and communicative competence applicable to targeted work-related situations, preparing learners for interaction in English in their respective milieus.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 275

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.

Status (catalog level): Inactive
CEGL 275
Credit Weight: 4
Transcript Title: Inter3 EngConv-Health Services
Calendar Title: Intermediate 3 English Conversation for Health Services.
Description: Focuses on high-intermediate English language speaking and listening comprehension skills essential to healthcare and social services providers, as well as for frontline administrative support staff who have a mid-intermediate proficiency in English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 274
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 300
Credit Weight: 16
Transcript Title: Spec ESL for Acad/Pro Purposes
Calendar Title: Specialized ESL for Academic/Professional Purposes.
Description: This course develops linguistic, communicative, functional, discursive and socio-cultural competencies. Learners will put into practice various techniques necessary for effective oral and written communication in academic and professional contexts.
Notes: Prerequisite: Entrance Placement Test, or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 301
Credit Weight: 16
Transcript Title: Lang.forSpecPurp:Tourism Bus.
Calendar Title: Language for Specific Purposes: Tourism Business.
Description: This specialized, industry-specific language course develops linguistic, communicative, functional, discursive and socio-cultural competencies in English as a second/foreign language. Learners will put into practice various techniques necessary for effective strategic and intercultural communication necessary in the business of tourism.
Notes: Prerequisite: Entrance Placement Test, or Permission of the Director
Only available for group enrolment (as part of customized training)
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 310
Credit Weight: 5
Transcript Title: English Comm. Level 3A
Calendar Title: English Communication Level 3A.
Description: First of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistic and
communicative skills in selected work-related contexts.

Symbols: LIMT - Limited enrolment

Notes:
- Prerequisite: CEGL 260, Entrance Placement Test (EPT), or Permission of the Director.
- Administering Faculty: School of Continuing Studies
- Teaching Department: Language & Intercultural Comm.
- Status (catalog level): Inactive

CEGL 315
Credit Weight: 8
Transcript Title: Eng Gram&Writing in Context 2
Calendar Title: English Grammar and Writing in Context 2.
Description: Designed for students at a high-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of English grammar at the complex sentence level, thematic vocabulary and self correction strategies through a wide range of learning activities embedded in various work related situations.
Notes:
- Prerequisites: CEGL 215 and CEGL 216, Placement Test of Written English (PTWE) or Permission of the Director.
- Corequisite: CEGL 316.
- Administering Faculty: School of Continuing Studies
- Teaching Department: Language & Intercultural Comm.
- Status (catalog level): Inactive

CEGL 316
Credit Weight: 8
Transcript Title: Eng Vocabulary for Workplace
Calendar Title: English Vocabulary for Workplace.
Description: Designed for students at a high-intermediate level wishing to develop their writing skills at that level. Broadens the scope of written communication through the study of vocabulary and its function in discourse. Identifies the nature and role of words, phrases and idioms through intense practice of vocabulary in workplace contexts.
Notes:
- Prerequisites: CEGL 215 and CEGL 216, Placement Test of Written English (PTWE) or Permission of the Director.
- Corequisite: CEGL 315.
- Administering Faculty: School of Continuing Studies
- Teaching Department: Language & Intercultural Comm.
- Status (catalog level): Inactive

CEGL 320
Credit Weight: 5
Transcript Title: English Comm. Level 3B
Calendar Title: English Communication Level 3B.
Description: Second of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistic and communicative skills in selected work-related contexts.
Symbols: LIMT - Limited enrolment
Notes:
- Prerequisite: CEGL 310, Entrance Placement Test (EPT), or Permission of the Director.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 330
Credit Weight: 5
Transcript Title: English Comm. Level 3C
Calendar Title: English Communication Level 3C.
Description:
Third of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistic and communicative skills in selected work-related contexts.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 320, Entrance Placement Test (EPT), or Permission of the Director

CEGL 340
Credit Weight: 5
Transcript Title: English Comm. Level 3D
Calendar Title: English Communication Level 3D.
Description:
Last of four advanced-level workshops/courses designed for specific professional purposes. Develops a high degree of fluency in English, and hones linguistics and communicative skills in selected work-related contexts.
Symbols: LIMT - Limited enrolment
Notes:
Prerequisite: CEGL 330, Entrance Placement Test (EPT), or Permission of the Director

CEGL 344
Credit Weight: 20
Transcript Title: Intensive English/Short Course
Calendar Title: Intensive English/Short Course.
Description:
The development of English language communication skills and intercultural awareness through active learning methodologies.
Symbols: LIMT - Limited enrolment
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 370
Credit Weight: 6
Transcript Title: Adv 1 Essential Eng-Healthcare
Calendar Title: Advanced 1 Essential English for Healthcare.
Description:
Intended for healthcare providers who have a high-intermediate knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
CEGL 371
Credit Weight: 4
Transcript Title: Adv 1 English Conv-Healthcare
Calendar Title: Advanced 1 English Conversation for Healthcare.
Description: Focuses on advanced English language speaking and listening comprehension skills essential to healthcare providers who have a high-intermediate knowledge of English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 370
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 372
Credit Weight: 6
Transcript Title: Adv 2 Essential Eng-Healthcare
Calendar Title: Advanced 2 Essential English for Healthcare.
Description: Intended for healthcare providers who have an advanced knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 373
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 373
Credit Weight: 4
Transcript Title: Adv 2 English Conv-Healthcare
Calendar Title: Advanced 2 English Conversation for Healthcare.
Description: Focuses on superior English language speaking and listening comprehension skills essential to healthcare providers who have an advanced knowledge of English.
Notes: Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 372
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 380
Credit Weight: 6
Transcript Title: Adv 1 Essential Eng-Social Services
Calendar Title: Advanced 1 Essential English for Social Services.
Description: Intended for social services providers who have a high-intermediate knowledge of...
English. Focuses on linguistic and communicative skills in selected work-related contexts.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 381

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 381
Credit Weight: 4
Transcript Title: Adv 1 Eng Conv-Social Services
Calendar Title: Advanced 1 English Conversation for Social Services.
Description:
Focuses on advanced English language speaking and listening comprehension skills essential to social services providers who have a high-intermediate knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 380

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 382
Credit Weight: 6
Transcript Title: Adv2Essent Eng-Social Services
Calendar Title: Advanced 2 Essential English for Social Services.
Description:
Intended for social services providers with an advanced knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 383

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 383
Credit Weight: 4
Transcript Title: Adv 2 Eng Conv-Social Services
Calendar Title: Advanced 2 English Conversation for Social Services.
Description:
Focuses on superior English language speaking and listening comprehension skills essential to social services providers who have an advanced knowledge of English.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 382

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 390
Credit Weight: 6
Transcript Title: Adv1Essent Eng-Frontline HCAdm
Calendar Title: Adv. 1-Essential English - Frontline Healthcare Admin.
Description:
Intended for frontline administrative staff in the healthcare and social services sectors who have a high-intermediate knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.

Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 391
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 391
Credit Weight: 4
Transcript Title: Adv1EngConv-FrontlineHealthAdm
Calendar Title: Adv 1 English Conversation-Frontline Healthcare Admin.
Description: Focuses on advanced English language speaking and listening comprehension skills essential to frontline administrative staff in the healthcare and social services sectors who have a high-intermediate knowledge of English.
Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 390
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 392
Credit Weight: 6
Transcript Title: Adv2 EssenEng-FrontHealthAdmin
Calendar Title: Advanced 2 Essential English-Frontline Healthcare Admin.
Description: Intended for frontline administrative staff in the healthcare and social services sectors who have an advanced knowledge of English. Focuses on linguistic and communicative skills in selected work-related contexts.
Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 393
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 393
Credit Weight: 4
Transcript Title: Adv2EngConv-FrontHealthAdmin
Calendar Title: Adv 2 English Conversation-Frontline Healthcare Admin.
Description: Focuses on superior English language speaking and listening comprehension skills essential to frontline administrative staff in the healthcare and social services sectors who have an advanced knowledge of English.
Notes:
Prerequisite(s): Entrance Placement Test, or Permission of the Director
Corequisite(s): CEGL 392
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 400
Credit Weight: 10
Transcript Title: Phys.Env, Sustain&Contemp Cult
Calendar Title: Physical Environment, Sustainability & Contemporary Culture.
Description:
This course enhances the learner’s English communication skills while exploring the impact of contemporary culture on the physical environment, focusing on questions of identity, tradition, values, progress, development, and sustainability.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Only available for group enrolment (as part of customized training)
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 401
Credit Weight: 10
Transcript Title: Ling&Cult Diversity in Quebec
Calendar Title: Linguistic and Cultural Diversity in Quebec.
Description:
This course develops linguistic, communicative, functional, discursive and socio-cultural competencies in English as well as critical thinking. Learners will put into practice various techniques necessary for effective intercultural communication in academic and professional settings while exploring the historical, social, political, and cultural perspectives of diversity in Quebec.
Notes:
Only available for group enrolment (as part of customized training)
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 406
Credit Weight: 24
Transcript Title: Internship for Prof Comm Purp
Calendar Title: Internship for Professional Communication Purposes.
Description:
Provides work-related language and intercultural communication training. Develops linguistic, communicative, functional, discursive and socio-cultural competencies. Provides the opportunity to develop oral and written professional communication skills and gain work experience in a diverse, bilingual work environment in Canada.
Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director
Intermediate level on Entrance Placement Test
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 407
Credit Weight: 10
Transcript Title: Eng/Intl Multilat Negotiations
Calendar Title: English for International Multilateral Negotiations.
Description:
Explores the English language and its relevance in international multilateral negotiations, creating an awareness of how the use of English can help or hinder the negotiation process. Identifies effective communication strategies for
successful cross-cultural multilateral negotiations, particularly in the context of our rapidly changing, increasingly competitive, globalized world.

Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director. This transcript course is open to undergraduate students from accredited universities who are non-native speakers of English. A minimum high-intermediate/low-advanced level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 408
Credit Weight: 10
Transcript Title: English/Strategic Interper.Com
Calendar Title: English for Strategic Interpersonal Communication.
Description: This course develops discursive and pragmatic competence in oral and written communication in English. It focuses on strategic communication in interpersonal relationships, and helps develop an awareness of the impact of one's communication in a variety of contexts. In addition, learners acquire strategies and techniques to handle various types of English communication effectively.

Notes:
Prerequisite: Entrance Placement Test, or Permission of the Director. This transcript course is open to undergraduate students from accredited universities who are non-native speakers of English. A minimum high-intermediate/low-advanced level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 409
Credit Weight: 12
Transcript Title: Medical EFL for Nurses
Calendar Title: Medical English as a Foreign Language for Nurses.
Description: This course is intended for nurses and nursing students who wish to develop the language and intercultural communication skills necessary for dealing with patients and their families in English. It focuses on developing oral/aural skills leading to increased communication competence and confidence in a variety of patient-nurse situations.

Notes:
This transcript course is open to undergraduate students from accredited universities as well as practicing nurses who are non-native speakers of English. A minimum high-intermediate level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 410
Credit Weight: 6
Transcript Title: Int Prof Dev for ESL Teachers
Calendar Title: Intensive Professional Development for ESL Teachers.
Description: Intensive Professional Development for English Language Teachers (IPDELT) is a
two-week, innovative, limited-enrolment, professional development course for ESL/EFL teachers whose native language is not English. Participants will consider theoretical applications, best practices and current trends in ESL/EFL instruction while engaging in stimulating collaborative pedagogical/cultural activities.

Notes:
Prerequisite: Permission of the Director

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 415
Credit Weight: 8
Transcript Title: Eng Writing Tech for Workplace
Calendar Title: English Writing Techniques for Workplace.
Description:
Designed for students at an advanced level wishing to develop their writing skills at that level. Explores English syntax and various techniques for text organization, coherence, conciseness and clarity through individual and collaborative work on different forms of writing commonly used in the workplace.

Notes:
Prerequisites: CEGL 316 and CEGL 316, Placement Test of Written English (PTWE) or Permission of the Director.
Corequisite: CEGL 416.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 416
Credit Weight: 8
Transcript Title: Eng Writ Comm Strat for Workpl
Calendar Title: English Written Communication Strategies for Workplace.
Description:
Designed for students at an advanced level wishing to develop their writing skills at that level. Explores English syntax and various strategies for style, tone, nuance, purpose and audience through individual and collaborative work on different forms of writing commonly used in the workplace.

Notes:
Prerequisites: CEGL 315 and CEGL 316, Placement Test of Written English (PTWE) or Permission of the Director.
Corequisite: CEGL 415.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CEGL 420
Credit Weight: 10
Transcript Title: Intercult Comm & Globalization
Calendar Title: Intercultural Communication and Globalization.
Description:
Intended for non-native speakers of English who want to develop intercultural communication competency for travel, work, or living in a different culture. Explores intercultural communication and its importance for successful cross-cultural experiences. Identifies frameworks for analyzing different dimensions of cultural values, creating an awareness of the aspects of intercultural communication competency and its necessity for successful intercultural communication in the context of our rapidly changing, increasingly globalized world.
Notes:
Prerequisite(s): Entrance Placement Test or permission of the Director
This course is open to undergraduate/graduate students from accredited universities who are non-native speakers of English. A minimum high-intermediate/low-advanced level of English (TOEFL equivalent of 550) is required.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive
CFRN 102
Credit Weight: 11
Transcript Title: Beginners¿ French
Calendar Title: Beginners¿ French.
Description:
For students with no previous exposure to French, classes will provide instruction in listening, speaking, reading and writing. Course content is aimed at helping the students acquire the basic linguistic and communicative skills required to operate in very simple day-to-day situations.
Symbols: LIMT - Limited enrolment
Notes:
60 hours
Prerequisite: Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 104
Credit Weight: 11
Transcript Title: Elementary Comm in French
Calendar Title: Elementary Communication in French.
Description:
For students with basic exposure to French, classes will provide instruction in listening, speaking, reading and writing. Course content is aimed at helping the students acquire the basic linguistic and communicative skills required to operate in simple day-to-day situations.
Symbols: LIMT - Limited enrolment
Notes:
60 hours
Prerequisite: CFRN 102 or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 106
Credit Weight: 11
Transcript Title: Elementary French 2
Calendar Title: Elementary French 2.
Description:
Instruction in listening, speaking, reading and writing French, including grammar, phonetics, thematic vocabulary and functional expressions, is aimed at helping students develop the linguistic and communicative skills required to operate in various simple social and cultural contexts. This course aims to develop oral comprehension, reading and writing in French. It includes study of grammar, phonetics, thematic vocabulary and expressional contexts. It aims also to help students acquire the linguistic and communicative skills required in various simple social and cultural contexts.
Symbols: LIMT - Limited enrolment
Notes:
60 hours
Prerequisite: CFRN 104 or Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 120
Credit Weight: 6
Transcript Title: French Oral Comm. Short Beg A
Calendar Title: French Oral Communication - Short Beginners A.
Description:
A short linguistic and cultural immersion at the beginners level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 130

Credit Weight: 12
Transcript Title: French Oral Comm. Beg A
Calendar Title: French Oral Communication - Beginners A.
Description:
A short linguistic and cultural immersion at the beginners level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 140

Credit Weight: 6
Transcript Title: French Oral Comm. Short Beg B
Calendar Title: French Oral Communication - Short Beginners B.
Description:
A short linguistic and cultural immersion at the beginners to elementary level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 160

Credit Weight: 12
Transcript Title: French Oral Comm. Beg B
Calendar Title: French Oral Communication - Beginners B.
Description:
A short linguistic and cultural immersion at the beginners to elementary level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 215

Credit Weight: 8
Transcript Title: French Grammar at Work
Calendar Title: French Grammar at Work.
Description:
Designed for students at a mid-intermediate level wishing to improve their grammatical accuracy in written communication for the workplace at that level. Explores French grammatical rules, thematic vocabulary, and self-correction strategies through a variety of exercises and writing tasks embedded in common
work-related situations.

Notes:
Prerequisite: Placement Test of Written French (PTWF) or Permission of the Director
Corequisite: CFRN 216
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 216
Credit Weight: 8
Transcript Title: Fre Gram&Writing in Context 1
Calendar Title: French Grammar and Writing in Context 1.
Description:
Designed for students at a mid-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of French grammar at the sentence level, thematic vocabulary and self correction strategies through a variety of learning activities embedded in common work related situations.
Notes:
Prerequisite: Placement Test of Written French (PTWF) or Permission of the Director
Corequisite: CFRN 215.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 220
Credit Weight: 6
Transcript Title: Fr. Oral Comm Short Intermed A
Calendar Title: French Oral Communication - Short Intermediate A.
Description:
A short linguistic and cultural immersion at the intermediate level, focussing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 223
Credit Weight: 20
Transcript Title: Intensive French-Element Low
Calendar Title: Intensive French - Elementary Low.
Description:
Designed for students who possess a basic knowledge of French. Classes offer instruction in listening, reading, speaking, and writing. Course content provides students with the essential linguistic, communicative, and socio-cultural skills required to function in everyday situations and simple social interactions.
Notes:
This course is subject to limited enrolment.
Prerequisite(s): Entrance Placement Test or Permission of the Director
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 230
Credit Weight: 12
Transcript Title: Fr. Oral Comm Intermed A
Calendar Title: French Oral Communication - Intermediate A.
Description: A short linguistic and cultural immersion at the intermediate level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 240
Credit Weight: 6
Transcript Title: Fr. Oral Comm Short Intermed B
Calendar Title: French Oral Communication - Short Intermediate B.
Description: A short linguistic and cultural immersion at the intermediate level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 260
Credit Weight: 12
Transcript Title: Fr. Oral Comm Intermed B
Calendar Title: French Oral Communication - Intermediate B.
Description: A short linguistic and cultural immersion at the intermediate level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 310
Credit Weight: 16
Transcript Title: Spec Fre for Acad/Pro Purposes
Calendar Title: Specialized French for Academic/Professional Purposes.
Description: Course will develop linguistic, communicative, discursive and socio-cultural competencies at an intermediate level. Classes provide instruction in listening, speaking, reading, writing and pronunciation. Learners practice various techniques necessary for effective oral/written communication in academic/professional contexts. The course also aims at increasing students' awareness of Quebec academic/professional contexts.
Notes: Prerequisite: Entrance Placement Test, or Permission of the Director
Only available for group enrolment (as part of customized training)
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 315
Credit Weight: 8
Transcript Title: Fre Gram&Writing in Context 2
Calendar Title: French Grammar and Writing in Context 2.
Description:
Designed for students at a high-intermediate level wishing to improve their overall grammatical skills at that level. Explores the appropriate use of French grammar at the complex sentence level, thematic vocabulary and self correction strategies through a wide range of learning activities embedded in various work related situations.

Notes:
Prerequisites: CFRN 215 and CFRN 216, Placement Test of Written French (PTWF) or Permission of the Director.
Corequisite: CFRN 316.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 316
Credit Weight: 8
Transcript Title: Pre Vocabulary for Workplace
Calendar Title: French Vocabulary for Workplace.
Description:
Designed for students at a high-intermediate level wishing to develop their writing skills at that level. Broadens the scope of written communication through the study of vocabulary and its function in discourse. Identifies the nature and role of words, phrases and idioms through intense practice of vocabulary in workplace contexts.

Notes:
Prerequisites: CFRN 215 and CFRN 216, Placement Test of Written French (PTWF) or Permission of the Director.
Corequisite: CFRN 315.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 320
Credit Weight: 6
Transcript Title: French Oral Comm. Short Adv A
Calendar Title: French Oral Communication - Short Advanced A.
Description:
A short linguistic and cultural immersion at the intermediate to advanced level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 325
Credit Weight: 12
Transcript Title: French Oral Comm. Adv A
Calendar Title: French Oral Communication - Advanced A.
Description:
A short linguistic and cultural immersion at the intermediate to advanced level, focusing on listening and speaking skills intended to improve fluency and confidence in oral communication.

Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 335
Credit Weight: 6
Transcript Title: French Oral Comm. Short Adv B
Calendar Title: French Oral Communication - Short Advanced B.
Description:
A short linguistic and cultural immersion at the advanced level, focussing on
listening and speaking skills intended to improve fluency and confidence in oral
communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 344
Credit Weight: 12
Transcript Title: Intensive French/Short Course
Calendar Title: Intensive French/Short Course.
Description:
Designed to help students develop the linguistic, communicative and cultural
skills required to operate in French in a variety of real-life settings, the
course provides instruction in listening, speaking, reading and writing. Cultural
activities are included.
Symbols: LIMT - Limited enrolment
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 345
Credit Weight: 12
Transcript Title: French Oral Comm. Adv B
Calendar Title: French Oral Communication - Advanced B.
Description:
A short linguistic and cultural immersion at the advanced level, focussing on
listening and speaking skills intended to improve fluency and confidence in oral
communication.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 415
Credit Weight: 8
Transcript Title: Fre Writing Tech for Workplace
Calendar Title: French Writing Techniques for Workplace.
Description:
Designed for students at an advanced level wishing to develop their writing skills
at that level. Explores French syntax and various techniques for text
organization, coherence, conciseness and clarity through individual and
collaborative work on different forms of writing commonly used in the workplace.
Notes:
Prerequisites: CFRN 315 and CFRN 316, Placement Test of Written French (PTWF) or
Permission of the Director.
Corequisite: CFRN 416.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive

CFRN 416
Credit Weight: 8
Transcript Title: Fre Writ Comm Strat for Workpl
Calendar Title: French Written Communication Strategies for Workplace.
Description: Designed for students at an advanced level wishing to develop their writing skills at that level. Explores French syntax and various strategies for style, tone, nuance, purpose and audience through individual and collaborative work on different forms of writing commonly used in the workplace.
Notes: Prerequisites: CFRN 315 and CFRN 316, Placement Test of Written French (PTWF) or Placement of the Director.
Corequisite: CFRN 415.
Administering Faculty: School of Continuing Studies
Teaching Department: Language & Intercultural Comm.
Status (catalog level): Inactive
CMIS 422

Credit Weight: 3

Transcript Title: Information System Security

Calendar Title: Information System Security.

Description:
Fundamental concepts relating to the design of secure information systems. Identification and assessment of security risks at the application, network, and physical levels. Use of cryptography and other techniques to provide necessary level of security.

Notes:
Corequisite: CCCS 300
Course includes synchronous activities.

Administering Faculty: School of Continuing Studies

Teaching Department: Technology & Innovation

Status (catalog level): Active
CMPL 500
Credit Weight: 3
Transcript Title: Indigenous Peoples & the State
Calendar Title: Indigenous Peoples and the State.
Description:
Current legal topics relating to Indigenous peoples, including the concept of Indigenous title, and constitutional aspects of contemporary land claims. Aspects of Canadian law relating to Indigenous peoples, their constitutional status, and hunting and fishing rights.
Indigenous Peoples and the Law Indigenous Peoples and the Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 506
Credit Weight: 3
Transcript Title: Legal Theory
Calendar Title: Legal Theory.
Description:
The philosophical basis of private law, from a comparative and historical perspective.
Notes:
**The last class will be on Wednesday, May 22nd and there will be a final exam on Friday, May 31, 2019.
Legal Theory Legal Theory
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 513
Credit Weight: 3
Transcript Title: Talmudic Law
Calendar Title: Talmudic Law.
Description:
Historical sources of Talmudic law, methods of interpretation, selected topics, and relation to various secular legal traditions.
Talmudic Law Talmudic Law Talmudic Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 516
Credit Weight: 3
Transcript Title: International Development Law
Calendar Title: International Development Law.
Description:
The law and economics of development, including the role of agencies of the United Nations in development, the role of UNCTAD in formulating uniform rules of international trade, and the World Bank and the International Monetary Fund and their role in financing development.
International Development Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 521
Credit Weight: 3
Transcript Title: Trade Regulation
Calendar Title: Trade Regulation.
Description:
Historical contextualization of underlying trade principles; assessment of the
interface between multilateral trade dispute resolution and domestic regulatory
action in distinct public policy domains; consideration of internationalization
claims, harmonization claims and the implications of trade regulation for
democratic theory; particular attention to the WTO, selected regional agreements
and the UN.
Notes:
Prerequisite: CMPL 543 (Recommended)
Restriction: Not open to first year students.
Trade Regulation. Trade Regulation.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 543
Credit Weight: 3
Transcript Title: Law & Practice of Intl Trade
Calendar Title: Law and Practice of International Trade.
Description:
The fundamental aspects of international law governing international trade, and
governmental regulation of international trade in Canada and Canada's major
trading partners.
Law & Practice of Intl Trade Law & Practice of Intl Trade
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 546
Credit Weight: 3
Transcript Title: Intl Envt'l Law & Politics
Calendar Title: International Environmental Law and Politics.
Description:
Examination of institutions and processes for global environmental protection.
Consideration of means for advancing international cooperation for environmental
protection, focusing on international law. Analysis of obstacles to applying
international law to environmental problems. Examination of a range of governance
structures for environmental protection and the way in which they operate.
Notes:
Public International Law recommended
International Environmental Law and Politics. International Environmental Law and
Politics.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 571
Credit Weight: 3
Transcript Title: Intl Law of Human Rights
Calendar Title: International Law of Human Rights.
Description:
International protection of human rights, particularly by the United Nations, its
specialized agencies, and the Council of Europe.
International Law of Human Rights
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

CMPL 611
Credit Weight: 1.5
Transcript Title: Legal Research Methodology 2
Calendar Title: Legal Research Methodology 2.
Description: Legal research methodology, including electronic legal research and the finalization of research plans.
Notes: Prerequisite: CMPL 610
Restrictions: Not open to students who have taken CMPL 610, CMPL 610D1/D2 prior to 202109.

Legal Research Methodology 2.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active

CMPL 642
Credit Weight: 3
Transcript Title: Law and Health Care
Calendar Title: Law and Health Care.
Description: The study of legal and ethical issues raised in medicine and healthcare with a particular focus upon the relationship between patient and healthcare professionals.
Symbols: LIMT - Limited enrolment
Notes: Law and Health Care. Law and Health Care.

Law and Health Care.
Administering Faculty: Graduate Studies
Teaching Department: Comparative Law
Status (catalog level): Active
COMP 555
Credit Weight: 4
Transcript Title: Information Privacy
Calendar Title: Information Privacy.
Description:
Notes:
Prerequisite: COMP 303
Restrictions: Not open to students who have taken COMP 599 when the topic was "Topics in Mobile Application Development".
Administering Faculty: Faculty of Science
Teaching Department: Computer Science
Status (catalog level): Active
EPSC 522
Credit Weight: 3
Transcript Title: Adv Environmental Hydrology
Calendar Title: Advanced Environmental Hydrology.
Description:
Notes:
Prerequisites: BREE 217, BREE 509, EPSC 549 or GEOG 322, or permission of the instructor.
Restrictions: Not open to students who have taken or are taking GEOG 522.
Administrating Faculty: Faculty of Science
Teaching Department: Earth & Planetary Sciences
Status (catalog level): Active
FMED 504
Credit Weight: 1
Transcript Title: Family Med. Research Seminars
Calendar Title: Family Medicine Research Seminars.
Description: Research seminars on various topics relevant to family medicine research.
Notes: Prerequisite: Permission of instructor
Restriction: Priority will be given to students registered in the MSc in Experimental Medicine Family Medicine program.
Topic Winter 2024: Foundations of Global Primary Health Care
Administering Faculty: Faculty of Medicine & Hlth Sci
Teaching Department: Family Medicine
Status (catalog level): Active
GEOG 522

Credit Weight: 3

Transcript Title: Adv Environmental Hydrology

Calendar Title: Advanced Environmental Hydrology.

Description:

Notes:
Restrictions: Not open to students who have taken or are taking EPSC 522. Prerequisites: BREE 217, BREE 509, EPSC 549 or GEOG 322, or permission of the instructor.

Administering Faculty: Faculty of Science
Teaching Department: Geography
Status (catalog level): Active
LAWG 100D2
Credit Weight: 3
Transcript Title: Contractual Obligations
Calendar Title: Contractual Obligations.
Description:
See LAWG 100D1 for course description.
Notes:
Prerequisite: LAWG 100D1
No credit will be given for this course unless both LAWG 100D1 and LAWG 100D2 are successfully completed in consecutive terms
Contractual Obligations Contractual Obligations Obligations Contractuelles
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 101D2
Credit Weight: 3
Transcript Title: Ex-Contractual Obligatns/Torts
Calendar Title: Extra-Contractual Obligations/Torts.
Description:
See LAWG 101D1 for course description.
Notes:
Prerequisite: LAWG 101D1
No credit will be given for this course unless both LAWG 101D1 and LAWG 101D2 are successfully completed in consecutive terms
Ex-Contractual Obligations/Torts Ex-Contractual Obligations/Torts
Ex-Contractuelles/Délits
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 102D2
Credit Weight: 3
Transcript Title: Criminal Justice
Calendar Title: Criminal Justice.
Description:
Basis, nature and functioning of criminal justice within and across legal orders, with a focus on Canadian criminal justice. Main determinants of crime and rationales for criminalizing certain conduct. Key substantive, procedural, evidentiary and sentencing aspects of the criminal law, and the social impact of criminal justice.
Notes:
Prerequisite: LAWG102D1
No credit will be given for this course unless both LAWG 102D1 and LAWG 102D2 are successfully completed in consecutive term
Criminal Justice Criminal Justice Justice Pénale
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 110D2
Credit Weight: 1.5
Transcript Title: Integration Workshop
Calendar Title: Integration Workshop.
Description:
An introduction to law and legal studies that complements the other first-year courses using transversal and integrative approaches.
Notes:
Prerequisite: LAWG110D1
No credit will be given for this course unless both LAWG 110D1 and LAWG 110D2 are successfully completed in consecutive term
Integration Workshop
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 200
Credit Weight: 3
Transcript Title: Commercial Law
Calendar Title: Commercial Law.
Description:
The contract of sale in the Civil Law and Common Law traditions; nature and scope of the contract of sale; conditions of formation; sale of property of another; obligations of the seller, including delivery, quality, title; obligations of the buyer, transfer of title; product liability; comparative reference made to American U.C.C. rules and U.N. Convention on the International Sale of Goods.

LAWG 210
Credit Weight: 3
Transcript Title: Legal Ethics & Professionalism
Calendar Title: Legal Ethics and Professionalism.
Description:
The course provides an overview of the ethical principles and rules that are relevant to one's life as an expert in the law, including ethical requirements for the practice of law in Canada and abroad. The course is taught over the course of weekly meetings during the term, in addition to an intensive period during Focus Week.

Notes:
Prerequisite(s): PRAC 147D1/D2 or equivalent (transfer & advance standing students only).
Restriction(s): Limited to 2nd year Law students only. Not open to students who have completed PRAC 155D1/D2.
Legal Ethics and Professionalism. Legal Ethics and Professionalism. Déontologie professionnelle
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 220D2
Credit Weight: 3
Transcript Title: Property
Calendar Title: Property.
Description:
See LAWG 220D1 for description.

Notes:
Prerequisite: LAWG 220D1
No credit will be given for this course unless both LAWG 220D1 and LAWG 220D2 are successfully completed in consecutive term
Property Property Les Biens
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 316
Credit Weight: 3
Transcript Title: Private Int'l Law
Calendar Title: Private International Law.

LAWG 400
Credit Weight: 4
Transcript Title: Secured Transactions
Calendar Title: Secured Transactions.
Description: Main incidents of law and suretyship and the law of real security in the common and civil traditions; security on land and commodities; nature of suretyship and effects of a contract among the creditor, debtor, surety and co-sureties; classifications and types of preferences, priorities and real security.

LAWG 415
Credit Weight: 3
Transcript Title: Evidence (Civil Matters)
Calendar Title: Evidence (Civil Matters).
Description: Basic principles of evidence as applied and developed in the context of the civil process in all jurisdictions in Canada. Topics include: burden and standard of proof; relevance; the different kinds of evidence, i.e. documentary evidence; testimonial evidence (lay and opinion evidence), presumptions, admissions and real evidence; the principal rules of admissibility, including the hearsay rule and its exceptions.

LAWG 426
Credit Weight: 3
Transcript Title: Evidence (Criminal Matters)
Calendar Title: Evidence (Criminal Matters).
Description: An introduction to principles of evidence with a focus on admissibility in criminal matters. Topics include relevance, hearsay, opinion, character, similar
facts, confessions and illegally-obtained evidence. The course begins with a
discussion of burdens and standards of proof.
Evidence (Criminal Matters)
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 514
Credit Weight: 2
Transcript Title: Specialized Topics in Law 4
Calendar Title: Specialized Topics in Law 4.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
Topic: Aviation Finance Topic: Aviation Finance
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 515
Credit Weight: 3
Transcript Title: Specialized Topics in Law 5
Calendar Title: Specialized Topics in Law 5.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the second lecture day and
withdrawal is the third lecture day.
Topic: Slavery and the Law Topic: Slavery and the Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 516
Credit Weight: 3
Transcript Title: Specialized Topics in Law 6
Calendar Title: Specialized Topics in Law 6.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
**Due to the intensive nature of this course, the standard add/drop and
withdrawal deadlines do not apply. Add/drop is the third lecture day and
withdrawal is the sixth lecture day.
ST 6: Mediation ST 6: Mediation
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 517
Credit Weight: 3
Transcript Title: Specialized Topics in Law 7
Calendar Title: Specialized Topics in Law 7.
Description:
An intensive study of a particular topic in public or private law.

Notes:
Restriction: Must have completed first year Law.
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
**This course will be held on May 16, 17, 18, 19, 23, 24, 25, 26, 30, 31, June 1 & 2.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 518
Credit Weight: 3
Transcript Title: Specialized Topics in Law 8
Calendar Title: Specialized Topics in Law 8.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Restriction: Must have completed first year Law.
**This course will be held on May 28, 29, 30, 31 & June 1.
** Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the second lecture day and withdrawal is the third lecture day.
ST#18: Animal Law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 519
Credit Weight: 3
Transcript Title: Specialized Topics in Law 9
Calendar Title: Specialized Topics in Law 9.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 520
Credit Weight: 3
Transcript Title: Specialized Topics in Law 10
Calendar Title: Specialized Topics in Law 10.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST#10: Droit de logement ST#10: Droit de logement
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
LAWG 521
Credit Weight: 3
Transcript Title: Student-Initiated Seminar 1
Calendar Title: Student-Initiated Seminar 1.
Description:
Supervised student-initiated seminar.
Notes:
Restriction: Not open to first year Law students.
SIS: Youth Criminal Justice Topic: Youth Criminal Justice.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 522
Credit Weight: 3
Transcript Title: Student-Initiated Seminar 2
Calendar Title: Student-Initiated Seminar 2.
Description:
Supervised student-initiated seminar.
Notes:
Restriction: Not open to first year Law students.
Topic: Introduction to Art Law Topic: Introduction to Art Law
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 523
Credit Weight: 3
Transcript Title: Tax Practice Seminar
Calendar Title: Tax Practice Seminar.
Description:
Examination of tax practice from a theoretical and practical perspective in five experiential modules featuring local practitioners, including tax planning for families, analysis of application of general anti-avoidance rules to planned transactions, analysis of tax aspects of new technologies.
Notes:
Not open to students who have taken LAWG 537 when topic was "Tax practice Seminar".
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 530
Credit Weight: 3
Transcript Title: Specialized Topics in Law 11
Calendar Title: Specialized Topics in Law 11.
Description:
An intensive study of a particular topic in public or private law.
Notes:
Prerequisite: Completion of first year of legal studies.
ST#11: Tax Litigation Seminar. ST#11: Tax Litigation Seminar
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
LAWG 531
Credit Weight: 3
Transcript Title: Specialized Topics in Law 12
Calendar Title: Specialized Topics in Law 12.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
ST#12: Transnational Commercial Law. ST#12: Transnational Commercial Law.
 Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 532
Credit Weight: 3
Transcript Title: Specialized Topics in Law 13
Calendar Title: Specialized Topics in Law 13.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
ST#13: Law, Race, and Capitalism ST#13: Law, Race, and Capitalism
 Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 533
Credit Weight: 3
Transcript Title: Specialized Topics in Law 14
Calendar Title: Specialized Topics in Law 14.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
Topic: Foundational Transactional Skills Topic: Foundational Transactional Skills
 Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 535
Credit Weight: 3
Transcript Title: Specialized Topics in Law 16
Calendar Title: Specialized Topics in Law 16.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
ST 16: Advanced Topics in Business Law ST 16: Advanced Topics in Business Law
 Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 536
Credit Weight: 3
Transcript Title: Specialized Topics in Law 17
Calendar Title: Specialized Topics in Law 17.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
Le non-verbal et la justice. Le non-verbal et la justice.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 537
Credit Weight: 3
Transcript Title: Specialized Topics in Law 18
Calendar Title: Specialized Topics in Law 18.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 538
Credit Weight: 3
Transcript Title: Specialized Topics in Law 19
Calendar Title: Specialized Topics in Law 19.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
ST19: State Accountability and Social Change ST19: State Accountability and Social Change
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 539
Credit Weight: 3
Transcript Title: Specialized Topics in Law 20
Calendar Title: Specialized Topics in Law 20.
Description: An intensive study of a particular topic in public or private law.
Notes: Prerequisite: Completion of first year of legal studies.
Topic: EU Law II Topic: EU Law II
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 580
Credit Weight: 3
Transcript Title: Women and Constitutions
Calendar Title: Women and Constitutions.
Description: Examination of how constitutions shape women's rights. Taking a comparative
constitutional law approach, exploration of constitutional strategies for promoting gender equality, focusing on selected constitutional contexts including Canada, Asia, Africa and the Middle East. Analyzing the debates that shape constitutional jurisprudence. Topics include constitutional rights in the areas of social diversity, equality, the family and participatory constitution-making. Exploring significant developments in the field of feminist constitutionalism, how constitutional law is both a powerful force in the construction of women's subordination and a site of feminist struggle.

Notes:
Restriction: Not open to students who have taken LAWG 516 or LAWG 518 when the topic was "Women and Constitutions".
Women and Constitutions. Women and Constitutions.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 581
Credit Weight: 3
Transcript Title: Health Care Delivery & the Law
Calendar Title: Health Care Delivery and the Law.
Description: The study of legal issues raised in medicine and healthcare with a particular focus upon the relationship between patient and healthcare professionals.
Notes:
Restrictions: Not open to students who have taken LAWG 581, CMPL 642, LAWG 534, or LAWG 539 when the topic was "Law and Healthcare".
Law and Healthcare.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 585
Credit Weight: 3
Transcript Title: Intl Investment Disputes
Calendar Title: International Investment Disputes.
Description: Examination of the basic principles of international investment law and investor-state dispute settlement (ISDS). Focus on substantive obligations, such as the obligation to afford fair and equitable treatment and not to discriminate on the basis of nationality, found in bilateral investment treaties (BITs), as well as on customary international law protections. Introduction to ISDS, including arbitration at the International Centre for the Settlement of Investment Disputes, as well as proposals such as the multilateral investment court championed by the European Union. The environmental and social issues surrounding international legal protection of foreign investment and proposals for modifying it.
Notes:
Restrictions: Not open to students who have taken LAWG 536 when the topic was "International Investment Disputes".
Intl Investment Disputes Intl Investment Disputes.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LAWG 602
Credit Weight: 1.5
Transcript Title: Communication 2
Calendar Title: Communication 2.
Description:
Key writing and research strategies for graduate students in law.
Notes:
Prerequisite(s): LAWG 601.
Communications 2.
Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active

LAWG 625
Credit Weight: 3
Transcript Title: Legal Education Seminar
Calendar Title: Legal Education Seminar.
Description:
A review of the aims, objectives, methods and techniques of legal education, including design and execution of the curriculum; an inquiry into law's ontology and legal epistemology; an examination of practical issues (attending graduate school, selecting a supervisor, types of legal research and employment as a law teacher).
Notes:
Note: Open to graduate students only.
Not open to undergraduate students and students who have taken LAWG 525.
Legal Education Seminar Legal Education Seminar Legal Education Seminar
Administering Faculty: Graduate Studies
Teaching Department: Law
Status (catalog level): Active
LEEL 369
Credit Weight: 3
Transcript Title: Labour Law
Calendar Title: Labour Law.
Description:
An introduction to Canadian labour law including collective bargaining, arbitration and industrial relations generally. Emphasis on the Canada Labour Code, the Quebec Labour Code and related statutes.

Labour Law
Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

LEEL 582
Credit Weight: 3
Transcript Title: Law & Poverty
Calendar Title: Law and Poverty.
Description:
The differential character of the law concerning rich and poor as reflected in case studies in criminal law, consumer law, housing law, welfare law. The "delivery systems" available for legal services to the poor and alternative organizational models for legal services; the role of law schools, government and the professional bar.

Notes:
Restriction: Not open to students who have taken LEEL 482 Law and Poverty. Law and Poverty.

Administrating Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
MATH 335
Credit Weight: 3
Transcript Title: Groups, Tilings and Algorithms
Calendar Title: Groups, Tilings and Algorithms.
Description:
Symbols: ALTY - Taught in alternate years
Notes:
Prerequisites: MATH 235
Note: This course is intended primarily for students in the Major Program in Mathematics and the Joint Major Program in Mathematics and Computer Science.
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 451
Credit Weight: 3
Transcript Title: Intro. to General Topology
Calendar Title: Introduction to General Topology.
Description:
This course is an introduction to point set topology. Topics include basic set theory and logic, topological spaces, separation axioms, continuity, connectedness, compactness, Tychonoff Theorem, metric spaces, and Baire spaces.
Notes:
Prerequisites: MATH 242 or MATH 254
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active

MATH 527D2
Credit Weight: 3
Transcript Title: Stat. Data Science Practicum
Calendar Title: Statistical Data Science Practicum.
Description:
See MATH 527D1 for course description.
Notes:
Prerequisites: MATH 324; MATH 223 ; MATH 208
Corequisites: MATH 423
No credit will be given for this course unless both MATH 527D1 and MATH 527D2 are successfully completed in consecutive terms
Administering Faculty: Faculty of Science
Teaching Department: Mathematics and Statistics
Status (catalog level): Active
MIME 529
Credit Weight: 3
Transcript Title: Automation of Mining Systems
Calendar Title: Automation of Mining Systems.
Description:
Foundational approach to mining automation, including aspects of artificial intelligence, robotic motion and digital communications technology, with connections to mining case studies. Mining system modelling applied to rock cutting, materials transport, and bunkerage, pitch, yaw and roll steering of mining machines. Control and robotics: digitization, discrete systems, sensors, actuators and real time algorithms. Data communication in mines. Simulation exercises.
Notes:
Prerequisites: COMP 208, ECSE 209, MIME 322 and MIME 333, or permission of the instructor.
Administering Faculty: Faculty of Engineering
Teaching Department: Mining & Materials Engineering
Status (catalog level): Active
MSUS 434
Credit Weight: 3
Transcript Title: Topics in Sustainability
Calendar Title: Topics in Sustainability.
Description: An advanced topic in sustainability.
Notes: Restriction: Open only to U2 and U3 students. Managing for Impact.
Administering Faculty: Desautels Faculty Management
Teaching Department: Management
Status (catalog level): Active
NUR2 518
Credit Weight: 1
Transcript Title: Nursing Clinical Skills Lab 2
Calendar Title: Nursing Clinical Skills Laboratory 2.
Description:
This laboratory course addresses a range of clinical skills that support health and healing capacities in adults and newborns.
Notes:
Corequisite(s): NUR2 511, NUR2 514 and IPEA 501
Restriction: Not open to students who have taken NUR2 514 prior to 201909.
A nominal fee of $29.77 is charged to all nursing students who register in courses where clinical skills are taught to students in the Nursing Learning Laboratory. The fee is for clinical skills kits that students will use during their training in the Nursing Learning Laboratory. The kits also contain additional materials for students to take with them after the training to allow them to practice the skills they learn on their own.
Administering Faculty: Ingram School of Nursing
Teaching Department: Ingram School of Nursing
Status (catalog level): Active
NUTR 409
Credit Weight: 9
Transcript Title: Professional Practice Stage 3B
Calendar Title: Professional Practice Stage 3B.
Description: Four interrelated modules of directed experience in clinical nutrition, food service management, normal nutrition education and community nutrition, in health care settings and the private sector.
Symbols: DIET - Dietetics Stage prerequisites required
Notes: Winter: 11 weeks
Prerequisites: NUTR 311, NUTR 342 or NUTR 446, NUTR 450, NUTR 505, NUTR 545 and NUTR 546.
This course requires the ability to read in French, to understand spoken French and to speak French at a basic functional level for fieldwork experience.
The course NUTR 409 includes a $125.00 fee for the Level III manual. The fee is refundable until the end of the add/drop period as long as the manual is intact.
Administering Faculty: Faculty of Agric Environ Sci
Teaching Department: Human Nutrition
Status (catalog level): Active

NUTR 612
Credit Weight: 8
Transcript Title: Grad Prof Pract 2 Management
Calendar Title: Graduate Professional Practice 2 Management.
Description: Assessment, planning, implementation, communication and evaluation in management of Food and Nutrition Systems. Focus is on application of management theory in dietetic practice.
Notes: Prerequisite(s): (NUTR 513 or NUTR 603), NUTR 515, NUTR 611
Restriction: Limited to students registered in the Graduate Diploma in Registered Dietitian Credentialing, and Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing.
The course NUTR 612 includes a $125.00 fee for the working manual. The fee is essentially for printing costs and for the purchase of copyrighted material used in the preparation of the package. The fee is refundable until the end of the add/drop period as long as the manual is intact.
Administering Faculty: Graduate Studies
Teaching Department: Human Nutrition
Status (catalog level): Active
PROC 200
Credit Weight: 3
Transcript Title: Advanced Civil Law Obligations
Calendar Title: Advanced Civil Law Obligations.
Description:
General theory of obligations in the Civil Law tradition, the interaction of contractual and extra-contractual obligations; introduction to unjust enrichment; relationship of general law to special regimes of compensation such as no-fault regimes; certain aspects of the modalities, transfer, alteration and extinction of obligations. This course provides an opportunity for immersion in the culture, epistemology and practices of the Civil Law Tradition.
Advanced Civil Law Obligations.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PRV3 200

Credit Weight: 3

Transcript Title: Adv Common Law Obligations

Calendar Title: Advanced Common Law Obligations.

Description:
Relationship between tort, contract, and restitution in theory and practice (including consideration of negligent misrepresentation, economic loss, exclusion clauses, and means of overcoming problems of privity); relationship between Common law and no-fault regimes; special problems in civil liability, such as non-feasance and the liability of public authorities. The study of unjust enrichment as a basis for remedies at common law, in equity and under statute and of its role as an integral part of the common law alongside contract and tort.

This course provides an opportunity for immersion in the culture, epistemology and practices of the Common Law Tradition.

Advanced Common Law Obligations.

Administering Faculty: Faculty of Law

Teaching Department: Law

Status (catalog level): Active
PRV4 548
Credit Weight: 3
Transcript Title: Admin Prop of Another & Trusts
Calendar Title: Administration Property of Another and Trusts.
Description:
The basic law on the administration of the property of another by those performing acts of custody, simple administration or full administration. Includes those holding property under tutorship, curatorship, testamentary executorship, deposit, mandate, substitution and trust.
Notes:
Restriction: Not open to students who have taken PRV4 448
Admin Prop of Another & Trusts.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PRV5 483
Credit Weight: 3
Transcript Title: Consumer Law
Calendar Title: Consumer Law.
Description:
A comparative study of civil and common law and consumer protection law in Quebec and in Canada.
Consumer Law.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PUB2 101D2
Credit Weight: 3
Transcript Title: Constitutional Law
Calendar Title: Constitutional Law.
Description:
See PUB2 101D1 for course description.
Notes:
Prerequisite: PUB2 101D1
No credit will be given for this course unless both PUB2 101D1 and PUB2 101D2 are successfully completed in consecutive terms
Constitutional Law Constitutional Law Droit constitutionnel
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 105
Credit Weight: 3
Transcript Title: Public International Law
Calendar Title: Public International Law.
Description:
The traditional fields of International Law including nature and sources; recognition, territory and acquisition of territory; jurisdiction on the high seas; nationality; diplomatic and consular privileges and immunities; responsibility of states; interpretation of treaties; legal control of force and aspects of the U.N. Charter, special Canadian problems of international law.
Droit International Public
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 420
Credit Weight: 3
Transcript Title: Trial Advocacy
Calendar Title: Trial Advocacy.
Description:
The basic techniques of examination and cross-examination of witnesses in the context of a series of simulated trials. The emphasis is on active participation and on practical exercises in the basic problem areas: the unfolding of the narrative; the use of suggestive questions and the aide-mémoire; cross-examination and contradiction with prior written and oral statements; the production of exhibits and documentary proof. The framework is primarily one of criminal and statutory law, where these techniques are much more tightly defined.
Trial Advocacy.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 422
Credit Weight: 3
Transcript Title: Criminal Procedure
Calendar Title: Criminal Procedure.
Description:
Principles of the law of criminal procedure. An examination of the criminal process from the point of suspicion to trial and appeal. The relationship to the process of the legal rights contained in the Charter of Rights and Freedoms will be examined.
Criminal Procedure.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

PUB2 501
Credit Weight: 3
Transcript Title: Advanced Criminal Law
Calendar Title: Advanced Criminal Law.
Description: Specific crimes and defenses, and problems in procedure, as a continuation of Criminal Law and Criminal Procedure. Selected topics will be announced in advance.
Notes:
Restriction: Not open to students who have taken PUB2 421.

PUB2 502
Credit Weight: 3
Transcript Title: International Criminal Law
Calendar Title: International Criminal Law.
Description: Crimes against the law of nations, war crimes (the Nuremberg trials, the Eichmann case), genocide and the way in which states co-operate to fight organized crime, terrorism, hijacking, etc. Topics include: jurisdiction (crimes committed in foreign countries, at sea, in aircraft, extradition, international judicial assistance) and the recognition and enforcement of foreign criminal sentences.
Notes:
Restriction: Not open to students who have taken PUB2 425.

PUB2 517
Credit Weight: 3
Transcript Title: Corporate Taxation
Calendar Title: Corporate Taxation.
Description: In-depth consideration of problems unique to corporations and their shareholders including the small business deduction and refundable taxes; distributions to shareholders; corporate reorganizations and liquidations; the capital gain and rollover.
Notes:
Restriction: Not open to students who have taken PUB2 417
Corporate Taxation.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
PUB3 116
Credit Weight: 3
Transcript Title: Foundations
Calendar Title: Foundations.
Description:
Overview of the spirit, history, and sources of Civil and Common Law traditions in their Canadian manifestations; introduction to Aboriginal legal traditions. The course explores issues of legal history and institutions, relationship between private and public law, comparative methodology, legal theory and ethics.
Foundations Foundations Fonduement du Droit Foundations
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
RELG 204
Credit Weight: 3
Transcript Title: Judaism, Christianity & Islam
Calendar Title: Judaism, Christianity and Islam.
Description: An introduction to the beliefs, practices, and religious institutions of these three world religions.
Notes: Winter
Do not schedule after 1:30 on Friday for Sabbath.
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 312
Credit Weight: 3
Transcript Title: The Gospels
Calendar Title: The Gospels.
Description: An introduction to the critical study of the Gospels.
Notes: Winter
Course can be scheduled either 2x1.5 or 3x1 pattern.
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 315
Credit Weight: 3
Transcript Title: Special Topics in Religion 1
Calendar Title: Special Topics in Religion 1.
Description: Topics of current interest in or between world religions.
Notes: Winter and Summer
Prerequisites: RELG 204 or RELG 252 or RELG 253
Restriction: Not open to students who have taken RELG 496
Indigenous Religiosity and Spirituality.
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 317
Credit Weight: 3
Transcript Title: Special Topics in Religion 2
Calendar Title: Special Topics in Religion 2.
Description: Topics of current interest in, or between, world religions.
Notes: Summer
Prerequisites: RELG 204 or RELG 252 or RELG 253.
Restriction: Not open to students who have taken RELG 496.
for Winter 2024: Secularism and Hindu Nationalism.
Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active
RELG 336
Credit Weight: 3
Transcript Title: Contemp Theological Issues
Calendar Title: Contemporary Theological Issues.
Description:
A study of contemporary theological issues. Topic varies by year.
Notes:
Winter
Prerequisite: 3 credits in Christianity or permission of instructor
Course will be held at Presbyterian College.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 411
Credit Weight: 3
Transcript Title: New Testament Exegesis
Calendar Title: New Testament Exegesis.
Description:
A seminar in exegesis on the basis of representative passages chosen from different parts of the New Testament in English.
Notes:
Winter
Prerequisites: RELG 311 and RELG 312
To be cross listed with RELG 482 & 681.
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 419
Credit Weight: 3
Transcript Title: Religious Heritage and Tourism
Calendar Title: Religious Heritage and Tourism.
Description:
Introduction to heritage studies through the lens of religious studies, including spiritual, socio-economic, and political aspects of the expanding heritage phenomena, along with the contestations it can provoke. Topics include tourism, museums, intangible heritage practices, ritualization, the repatriation and destruction of heritage objects.
Notes:
Prerequisites: RELG 378.
To be cross listed with RELG 619
Administering Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 482
Credit Weight: 3
Transcript Title: Exegesis of Greek New Testament
Calendar Title: Exegesis of Greek New Testament.
Description:
An intensive seminar in exegesis on the basis of representative passages chosen from different parts of the New Testament.
Notes:
Winter
Prerequisite: RELG 381 or equivalent, and RELG 311, RELG 312
To be cross listed with RELG

Administrating Faculty: Faculty of Arts
Teaching Department: Religious Studies
Status (catalog level): Active

RELG 681
Credit Weight: 3
Transcript Title: Research in New Testament
Calendar Title: Research in New Testament.
Description: A survey of research in the New Testament.
To be cross listed with RELG

Administrating Faculty: Graduate Studies
Teaching Department: Religious Studies
Status (catalog level): Active
WRIT 004D2
Credit Weight: 1.5
Transcript Title: Senior Editor 2
Calendar Title: Senior Editor 2.
Description:
See WRIT 004D1 for course description.
Notes:
Prerequisite: WRIT 004D1
No credit will be given for this course unless both WRIT 004D1 and WRIT 004D2 are successfully completed in consecutive terms MLJ.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 005D2
Credit Weight: 1
Transcript Title: Senior Manager
Calendar Title: Senior Manager.
Description:
See WRIT 005D1 for course description.
Notes:
Prerequisite: WRIT 005D1
No credit will be given for this course unless both WRIT 005D1 and WRIT 005D2 are successfully completed in consecutive terms MLJ. MJDR. JSDL.P.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 009D2
Credit Weight: 2
Transcript Title: Specialized Editor 2
Calendar Title: Specialized Editor 2.
Description:
See WRIT 009D1 for course description.
Notes:
Prerequisite: WRIT 009D1
No credit will be given for this course unless both WRIT 009D1 and WRIT 009D2 are successfully completed in consecutive terms MLJ.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 010D2
Credit Weight: 1
Transcript Title: Junior Manager
Calendar Title: Junior Manager.
Description:
See WRIT 010D1 for course description.
Notes:
Prerequisite: WRIT 010D1
No credit will be given for this course unless both WRIT 010D1 and WRIT 010D2 are successfully completed in consecutive terms MLJ.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 011D2
Credit Weight: 1.5
Transcript Title: Junior Editor
Calendar Title: Junior Editor.
Description:
See WRIT 011D1 for course description.
Notes:
Prerequisite: WRIT 011D1
No credit will be given for this course unless both WRIT 011D1 and WRIT 011D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 331D2
Credit Weight: 2
Transcript Title: Executive Editor 1
Calendar Title: Executive Editor 1.
Description:
See WRIT 331D1 for course description.
Notes:
Prerequisite: WRIT 331D1
No credit will be given for this course unless both WRIT 331D1 and WRIT 331D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 332D2
Credit Weight: 2
Transcript Title: Managing Editor 1
Calendar Title: Managing Editor 1.
Description:
Notes:
Prerequisite: WRIT 332D1
No credit will be given for this course unless both WRIT 332D1 and WRIT 332D2 are successfully completed in consecutive terms.
Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 333
Credit Weight: 2
Transcript Title: Senior Editor 1
Calendar Title: Senior Editor 1.
Description:
Senior Editor of a McGill law journal.
Notes:
Restriction: Faculty approval required.
MJDR

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 333D2
Credit Weight: 1
Transcript Title: Senior Editor 1
Calendar Title: Senior Editor 1.
Description:
See WRIT 333D1 for course description.
Notes:
Prerequisite: WRIT 333D1
No credit will be given for this course unless both WRIT 333D1 and WRIT 333D2 are successfully completed in consecutive terms
JSDLP. MJLH. MJDR.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active

WRIT 334D2
Credit Weight: 1
Transcript Title: Specialized Editor 1
Calendar Title: Specialized Editor 1.
Description:
See WRIT 334D1 for course description.
Notes:
Prerequisite: WRIT 334D1
No credit will be given for this course unless both WRIT 334D1 and WRIT 334D2 are successfully completed in consecutive terms
WRIT 334D1 and WRIT 334D2 together are equivalent to WRIT 334 MJLH. MJDR.

Administering Faculty: Faculty of Law
Teaching Department: Law
Status (catalog level): Active
BIOL 331
Credit Weight: 3
Transcript Title: Ecology/Behaviour Field Course
Calendar Title: Ecology/Behaviour Field Course.
Description: Methods of sampling natural populations. Testing hypotheses in nature.
Notes: Prerequisites: BIOL 206 and BIOL 215, or equivalents, or permission of the instructor.
Note: This course has an additional fee. The Department of Biology subsidizes a portion of the cost for this activity.
The field portion of this course is given at the University's Gault Nature Reserve in Mont St. Hilare over a two-week period in the summer term. In the summer, students prepare a report based on projects carried out during this field portion. There is an additional fee of $668.32 that covers room and board and handouts. This fee could be refundable if the department approves it.
Administering Faculty: Faculty of Science
Teaching Department: Biology
Status (catalog level): Active
BMDE 657
Credit Weight: 18
Calendar Title: Biomedical Engineering Industry Internship.
Description:
This course covers various aspects of translational biomedical engineering at an organization in the biomedical engineering industry (including private, public and non-governmental organizations), which includes applying engineering principles to design, develop, implement, or test biomedical engineering solutions as well as assume active roles in translational projects of biomedical engineering solutions at host organizations.
Notes:
Restrictions: This course is restricted to graduate students registered in the M.Sc.(A.) in Translational Biomedical Engineering; Non-Thesis.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Active

BMDE 657D1
Credit Weight: 9
Calendar Title: Biomedical Engineering Industry Internship.
Description:
This course covers various aspects of translational biomedical engineering at an organization in the biomedical engineering industry (including private, public and non-governmental organizations), which includes applying engineering principles to design, develop, implement, or test biomedical engineering solutions as well as assume active roles in translational projects of biomedical engineering solutions at host organizations.
Notes:
Restrictions: This course is restricted to graduate students registered in the M.Sc.(A.) in Translational Biomedical Engineering; Non-Thesis.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Inactive

BMDE 657D2
Credit Weight: 9
Calendar Title: Biomedical Engineering Industry Internship.
Description:
See BMDE 657D1 for course description.
Notes:
Restrictions: This course is restricted to graduate students registered in the M.Sc.(A.) in Translational Biomedical Engineering; Non-Thesis.
Administering Faculty: Graduate Studies
Teaching Department: Biomedical Engineering
Status (catalog level): Inactive
EDEC 518

Credit Weight: 3

Transcript Title: Arts-Based Approaches to Teaching and Learning

Calendar Title: Arts-Based Approaches to Teaching and Learning

Description: Exploration of the role of arts in teaching and learning. Combining practical and theoretical arts based explorations using a variety of art forms.

Administering Faculty: Faculty of Education

Teaching Department: Integrated Studies in Ed

Status (catalog level): Active
EDER 626
Credit Weight: 3
Transcript Title: Theory & Praxis of Cult & Citzshp
Calendar Title: Theory and Praxis of Culture and Citizenship.
Description:
Study and critique of contemporary ethics and cultural education models with a specific emphasis on Quebec’s Culture and Citizenship program. Introduction to a variety of theoretical and practical perspectives on the roles culture and citizenship play starting from our personal lives to the classroom.
Notes:
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDPS 600
Credit Weight: 3
Transcript Title: Introductory Professional Seminar
Calendar Title: Introductory Professional Seminar.
Description:
Introductory seminar that focuses on case-based approaches to the topics of community, families, relationships, school types, conflict management, trauma informed practices and professionalism as an introduction into the complex endeavour of becoming a teacher. Using an e-portfolio to demonstrate individual competencies.
Notes:
Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the first lecture day and withdrawal is the second lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDPS 610
Credit Weight: 3
Transcript Title: Professional Seminar 1
Calendar Title: Professional Seminar 1.
Description:
Equity, diversity and inclusion, reflexive thinking, examining classroom situations with a view to improving practice, and developing teacher collaboration and community-building are explored using a case study approach while addressing, developing and assessing professional competencies. Artefacts are selected for inclusion in e-portfolio.
Notes:
Prerequisite(s): EDTL 515 and EDTL 601
Corequisite(s): EDIN 610
Restriction(s): Not open to students who have taken EDIN 601.
A blended learning format will be used for this course.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDPS 620
Credit Weight: 3
Transcript Title: Professional Seminar 2
Calendar Title: Professional Seminar 2.
Description:
Becoming a teacher in an ethical and professional framing. Topics include: identity, contributions to education, connections to competencies, professional organizations and professional development. E-portfolios are completed.
Notes:
Corequisite(s): EDIN 620
Prerequisite(s): EDIN 610, EDPS 610, EDTL 640
Restriction(s): Not open to students who have taken EDIN 602.
This course will use a blended learning format
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active
EDTL 504
Credit Weight: 3
Transcript Title: Technqs for Planning & Assmt 1
Calendar Title: Techniques for Planning and Assessment 1.
Description:
Exploration of the roles of planning and assessment in teaching and learning with attention to the Quebec context, including backward design, writing learning objectives, assessment for, of, and as learning, differentiated planning practices, and the creation of assessment tools.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 550
Credit Weight: 3
Transcript Title: Studt Engmnt & Conflict Resltn
Calendar Title: Student Engagement and Conflict Resolution.
Description:
Exploration of a range of classroom expectations and routines including creating and maintaining a trauma-informed approach, building connections between home and school, building positive relationships, positive response to challenging behaviour and aspects of an engaged classroom. The focus is on developing a leadership style and teacher persona crucial to establishing and maintaining a positive learning environment where student engagement is central to learning.
Administering Faculty: Faculty of Education
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 604
Credit Weight: 3
Transcript Title: Technqs for Planning & Assmt 2
Calendar Title: Techniques for Planning and Assessment 2.
Description:
Classroom planning and assessment in the Quebec context. Classroom opportunities to foster and assess creativity and problem-based learning while balancing the constraints posed by standardized testing and other evaluation and reporting responsibilities.
Notes:
Prerequisite: EDTL 601 and EDTL 504
**Due to the intensive nature of this course, the standard add/drop and withdrawal deadlines do not apply. Add/drop is the third lecture day and withdrawal is the sixth lecture day.
Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Active

EDTL 612
Credit Weight: 3
Transcript Title: AdvApplMth:Teach ERC in SecSch
Calendar Title: Adv Applied Meth in Teach'g Ethics&ReligCulture in Sec Sch.
Description:
Continuation of topics covered in EDTL 633 and an examination of the ethics, and religious culture program in the secondary school, focusing on the conceptual framework, philosophical orientations and teaching practices. Addressed through the development of appropriate professional competencies. Parts of this course may be undertaken in school settings.
Notes:
Prerequisite: EDIN 601 or EDIN 610; and EDTL633
Restriction: Open to MATL candidates having History & Citizenship Ethics & Religious Culture as a teaching subject area.
Corequisite: EDIN 602 or EDIN 620

Administering Faculty: Graduate Studies
Teaching Department: Integrated Studies in Ed
Status (catalog level): Inactive